

FIG. 1

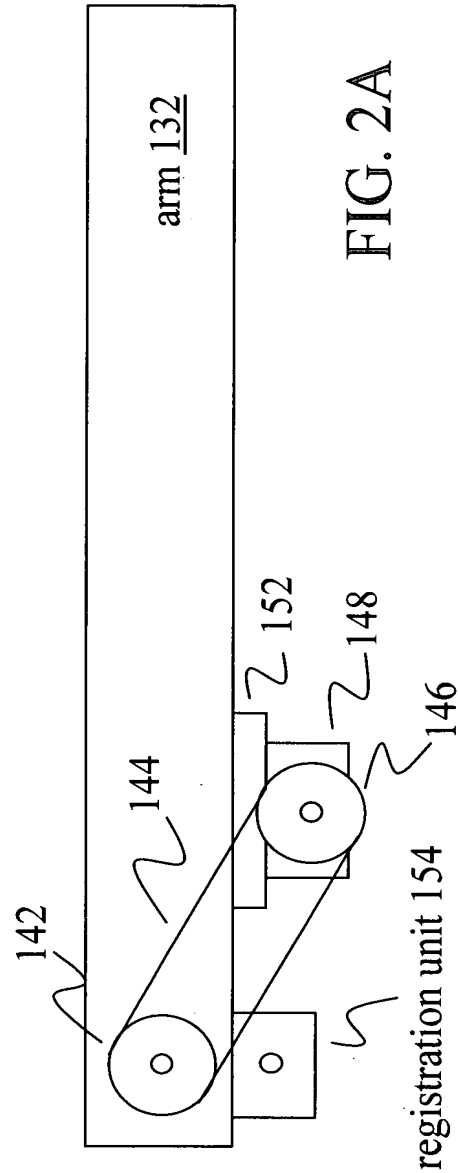


FIG. 2A

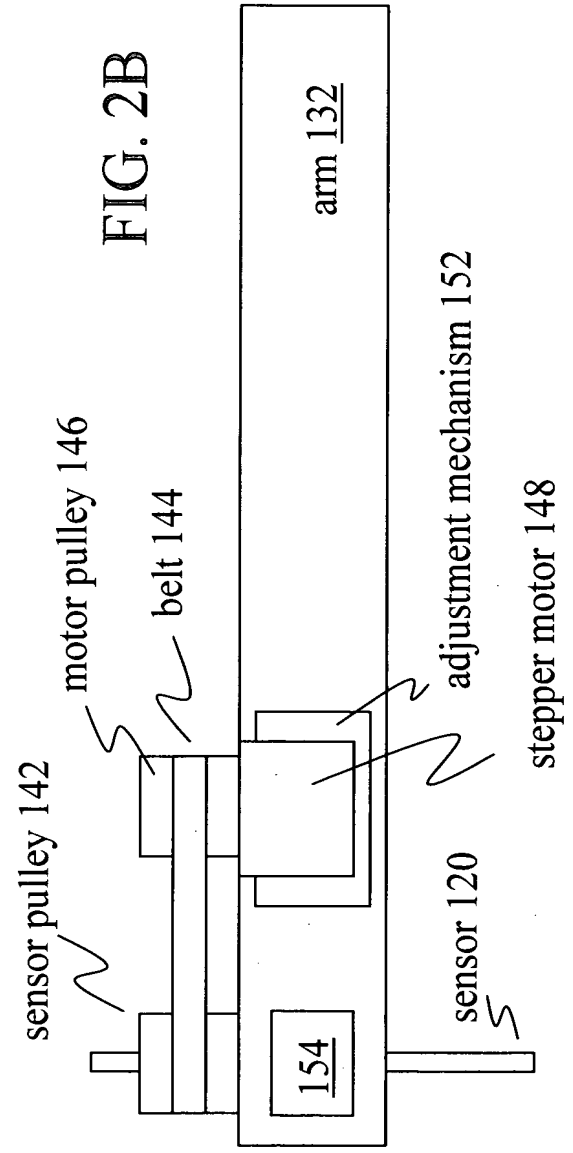


FIG. 2B

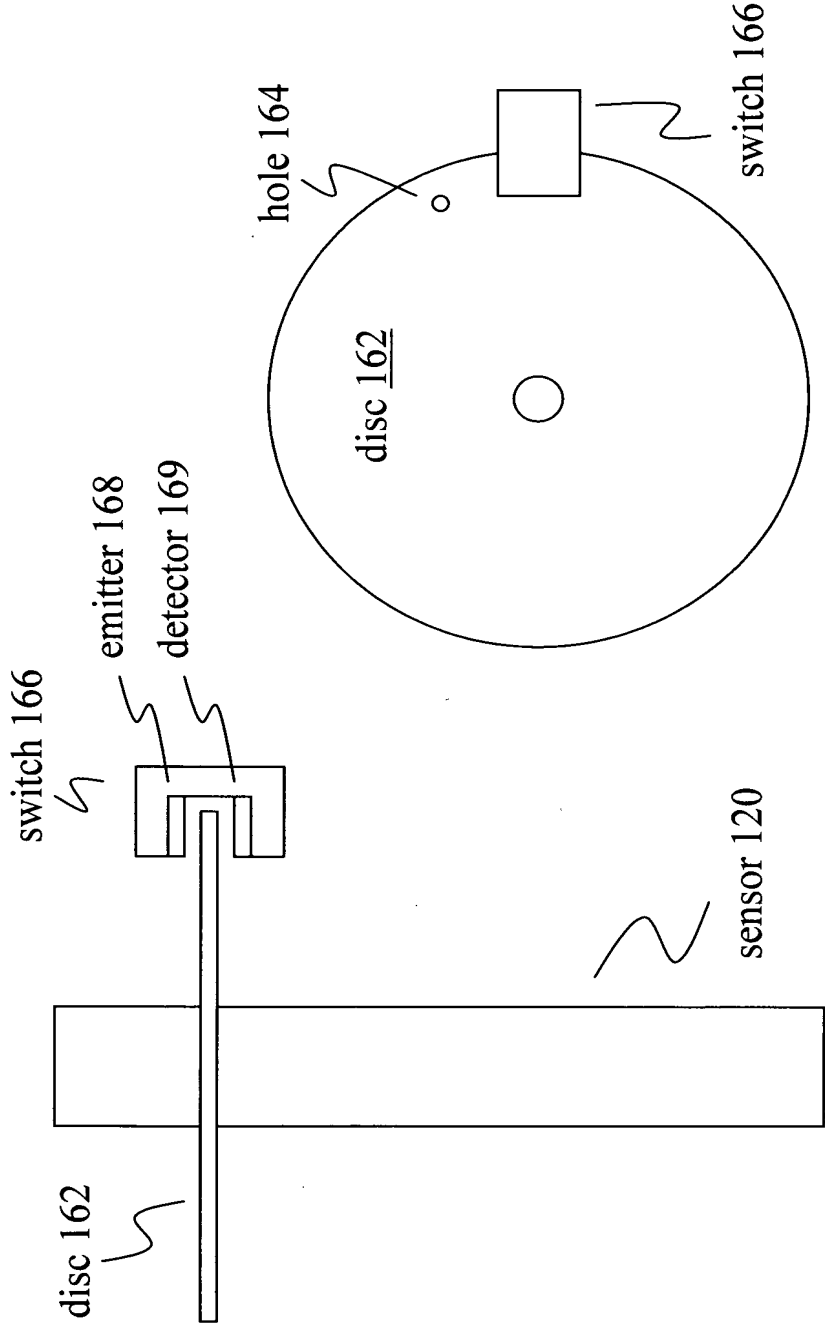


FIG. 3A

FIG. 3B

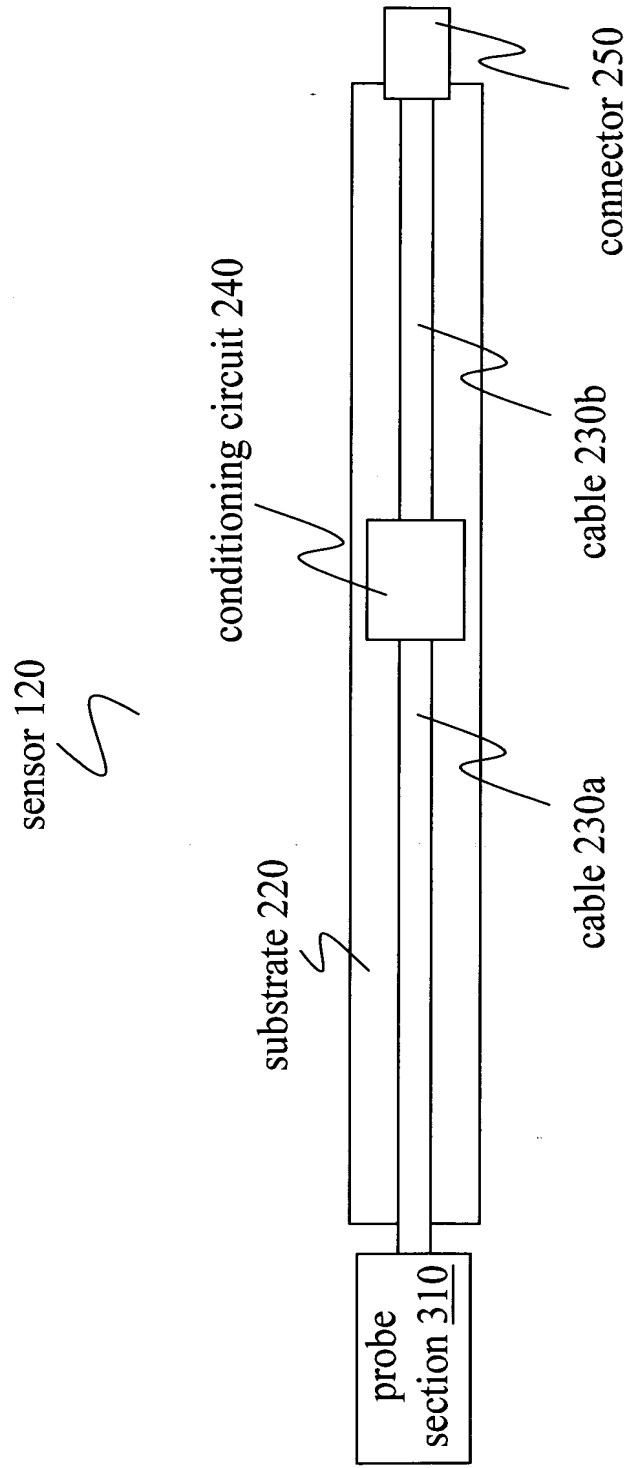


FIG. 4

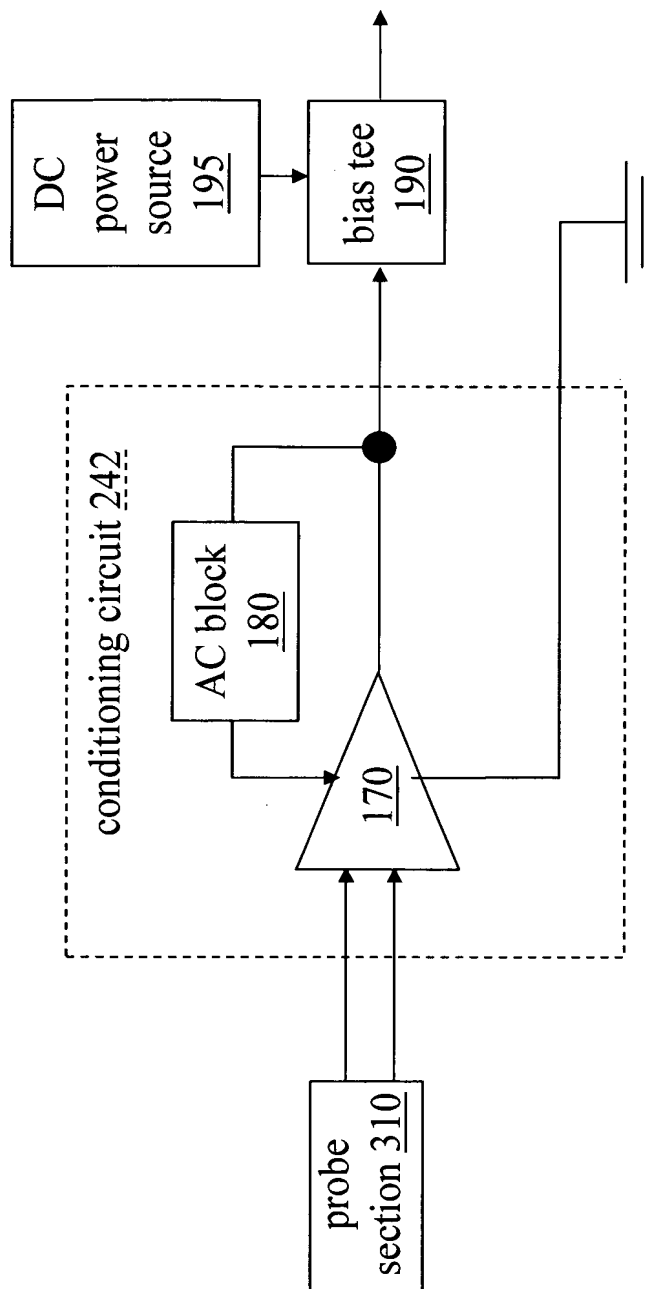


FIG. 5

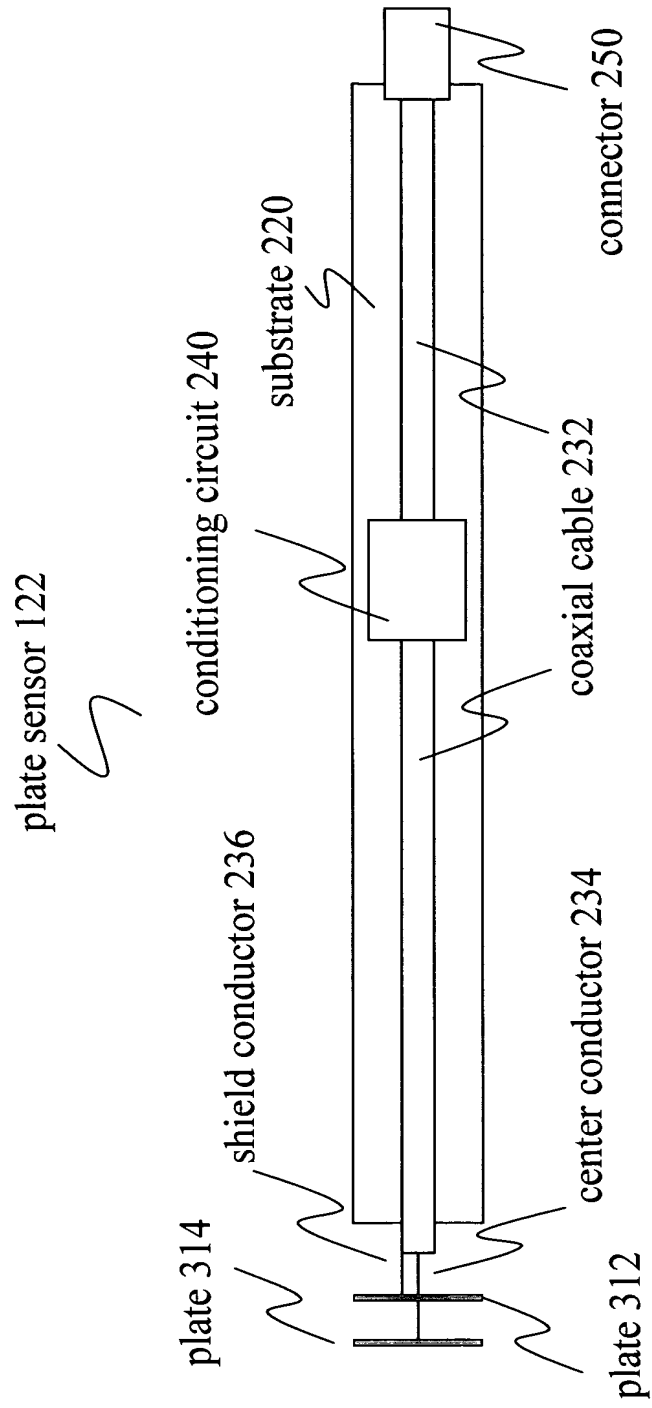
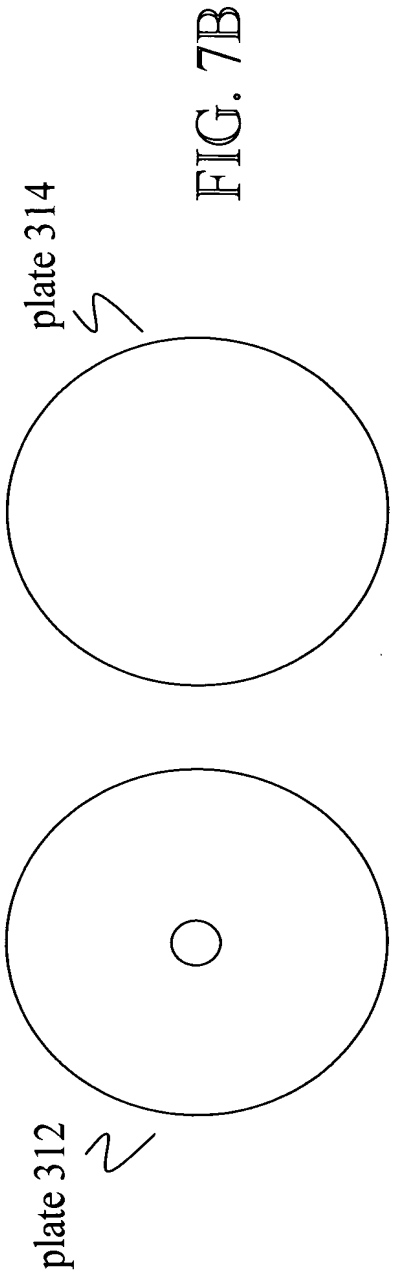
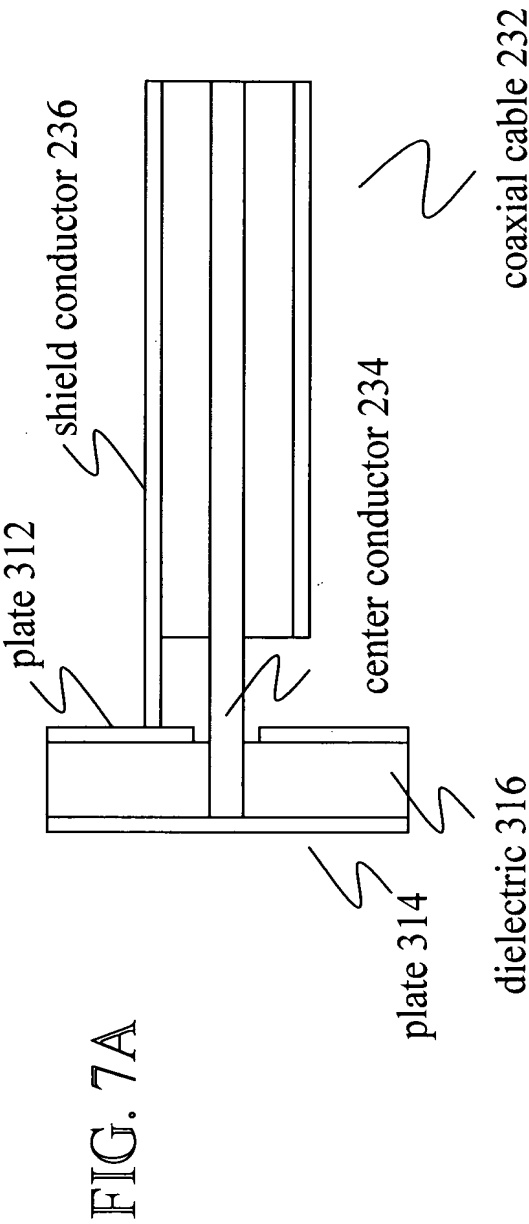
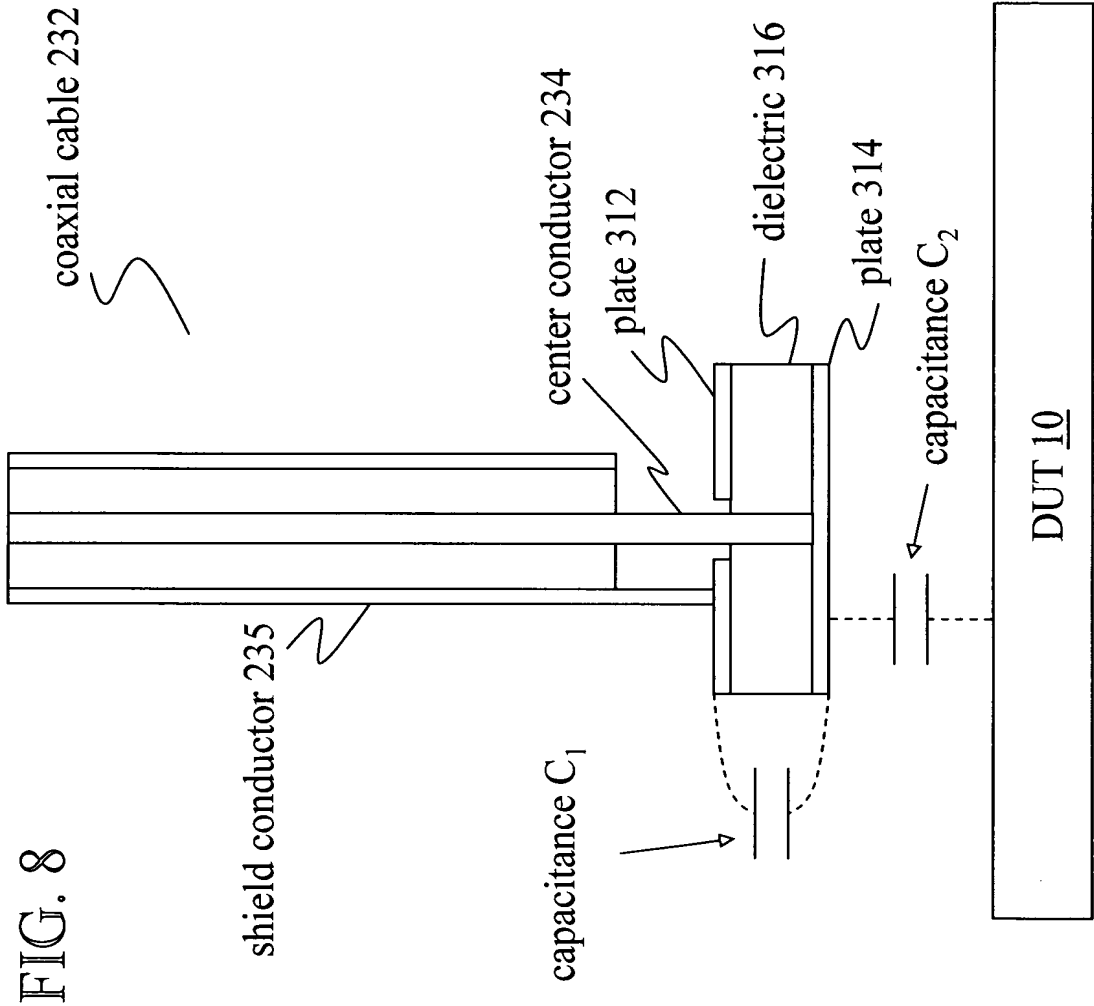
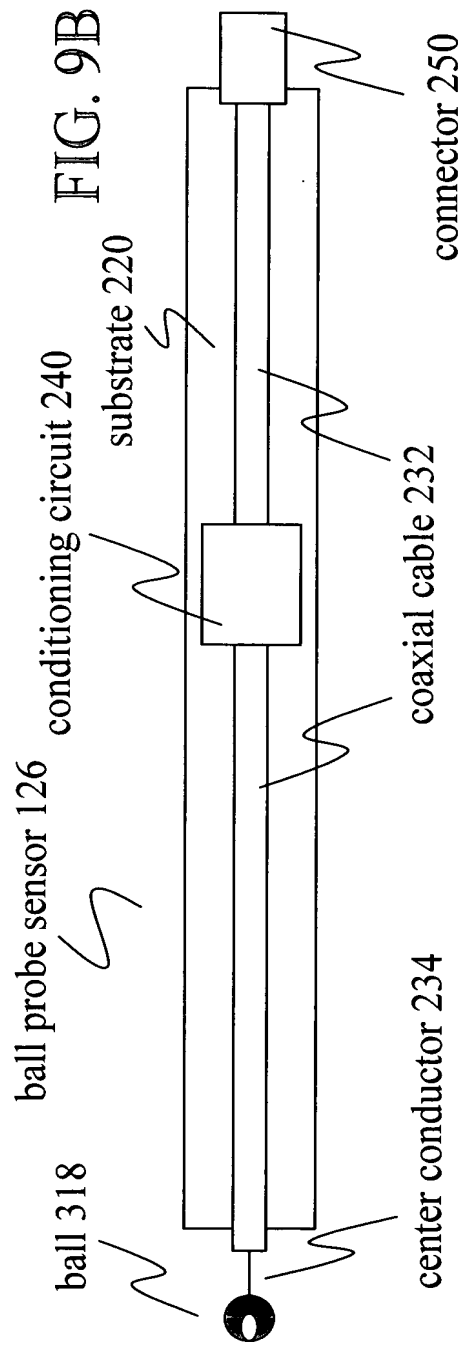
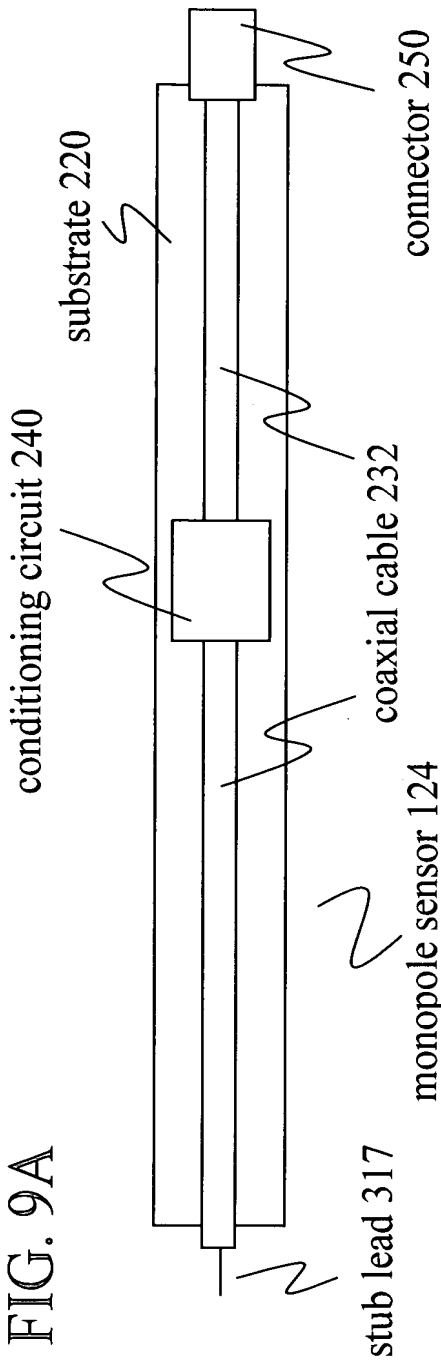


FIG. 6







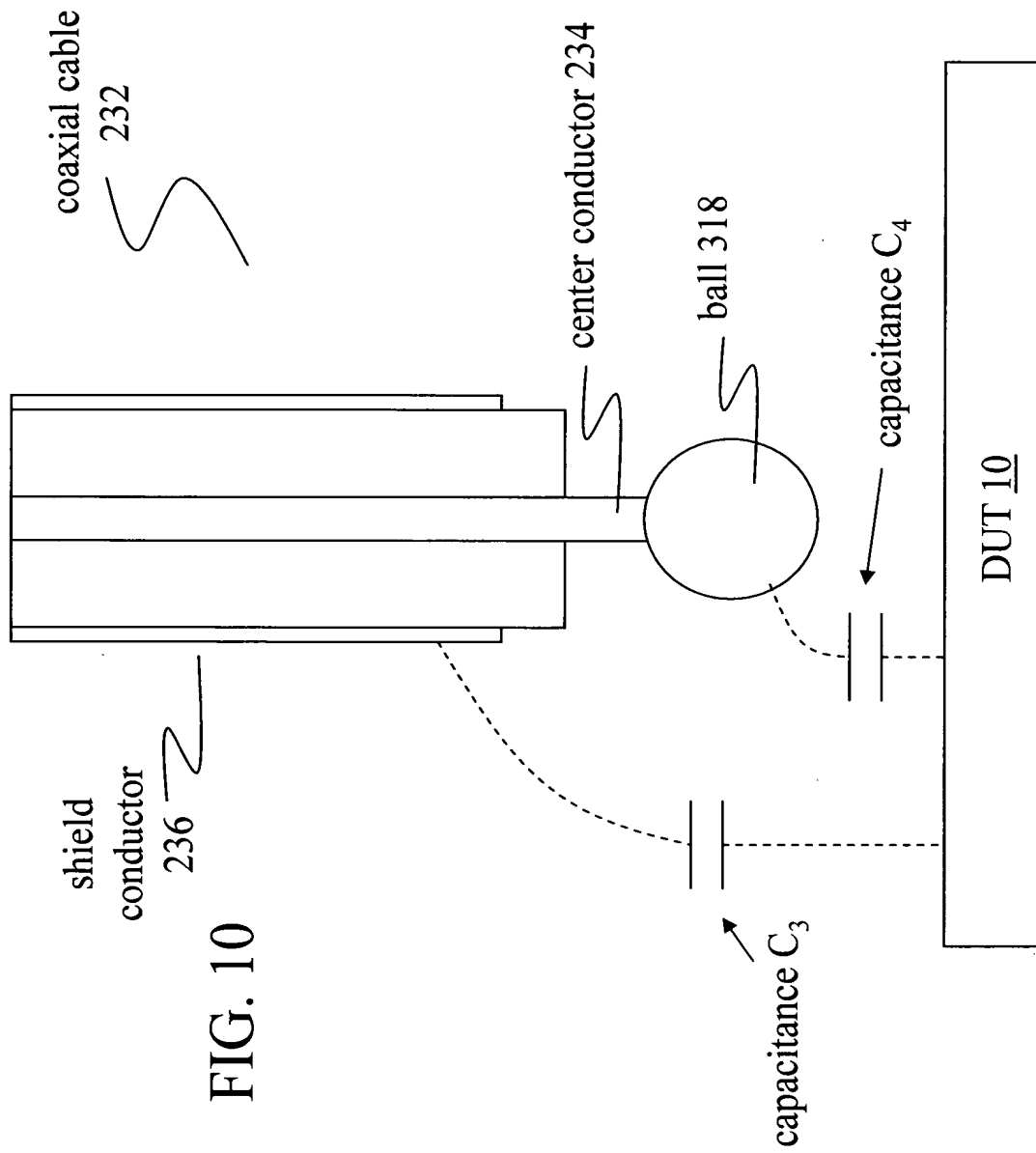


FIG. 10

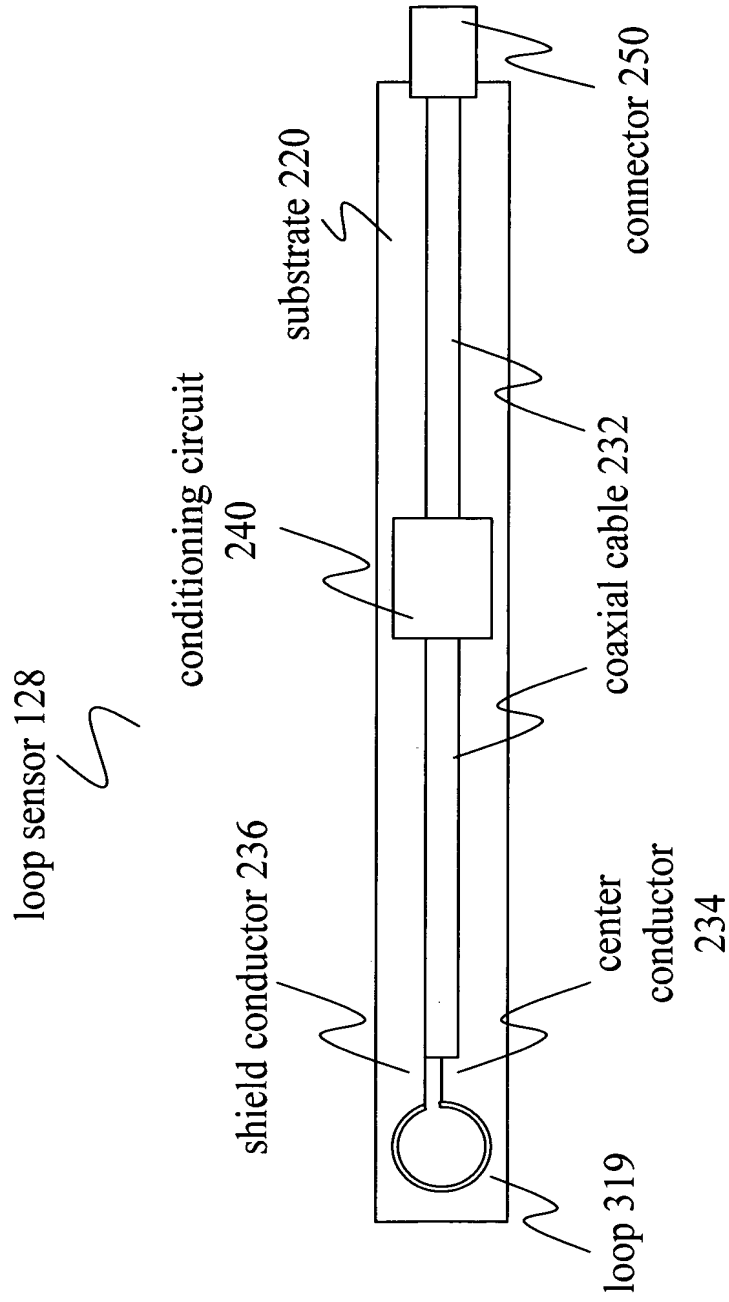


FIG. 11

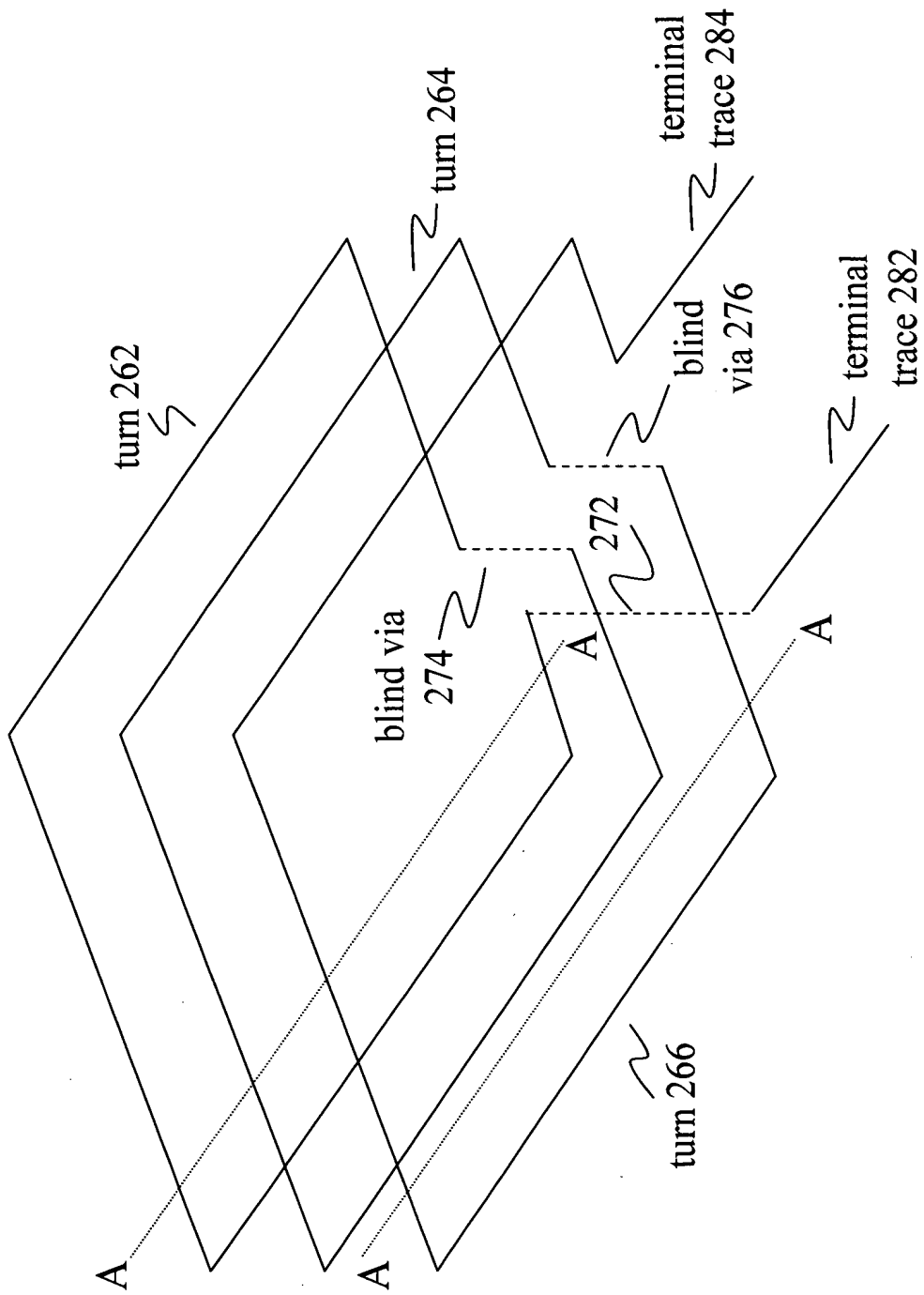


FIG. 12

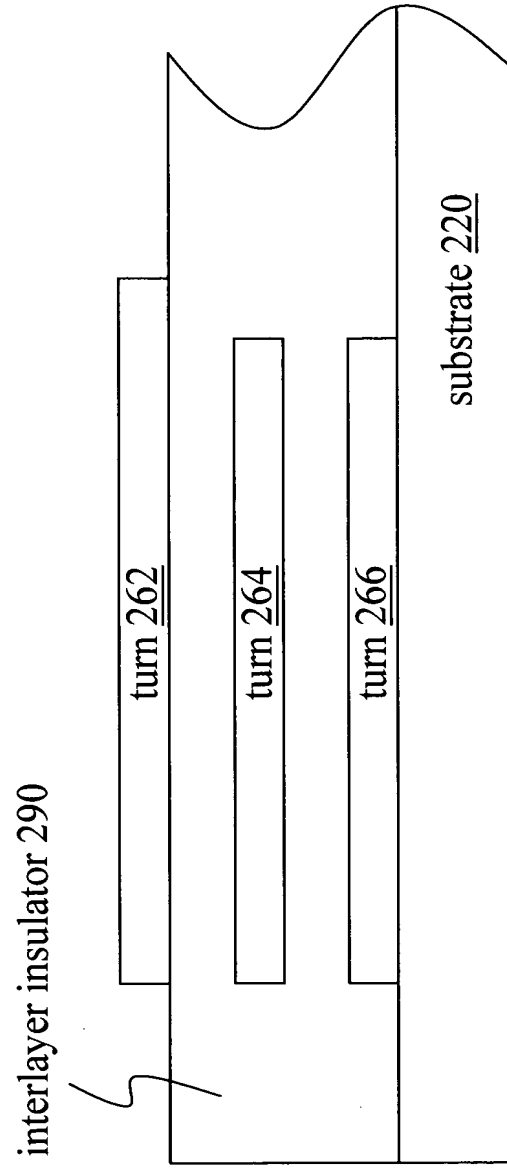


FIG. 13

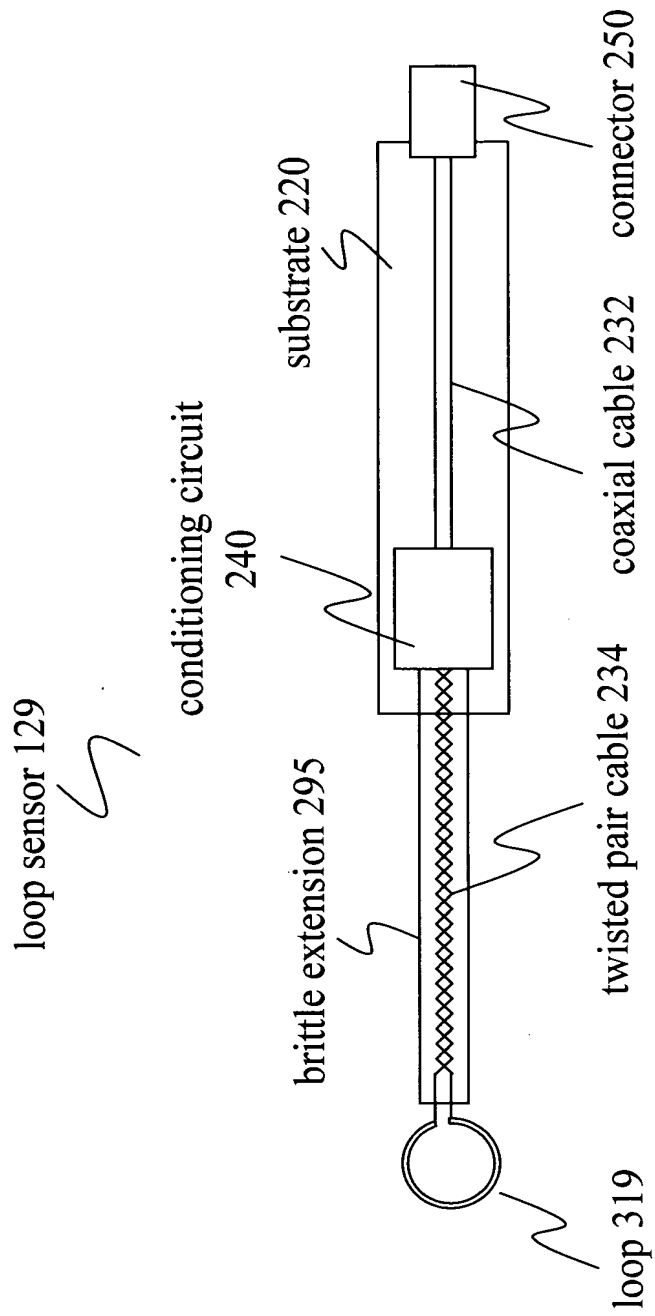


FIG. 14

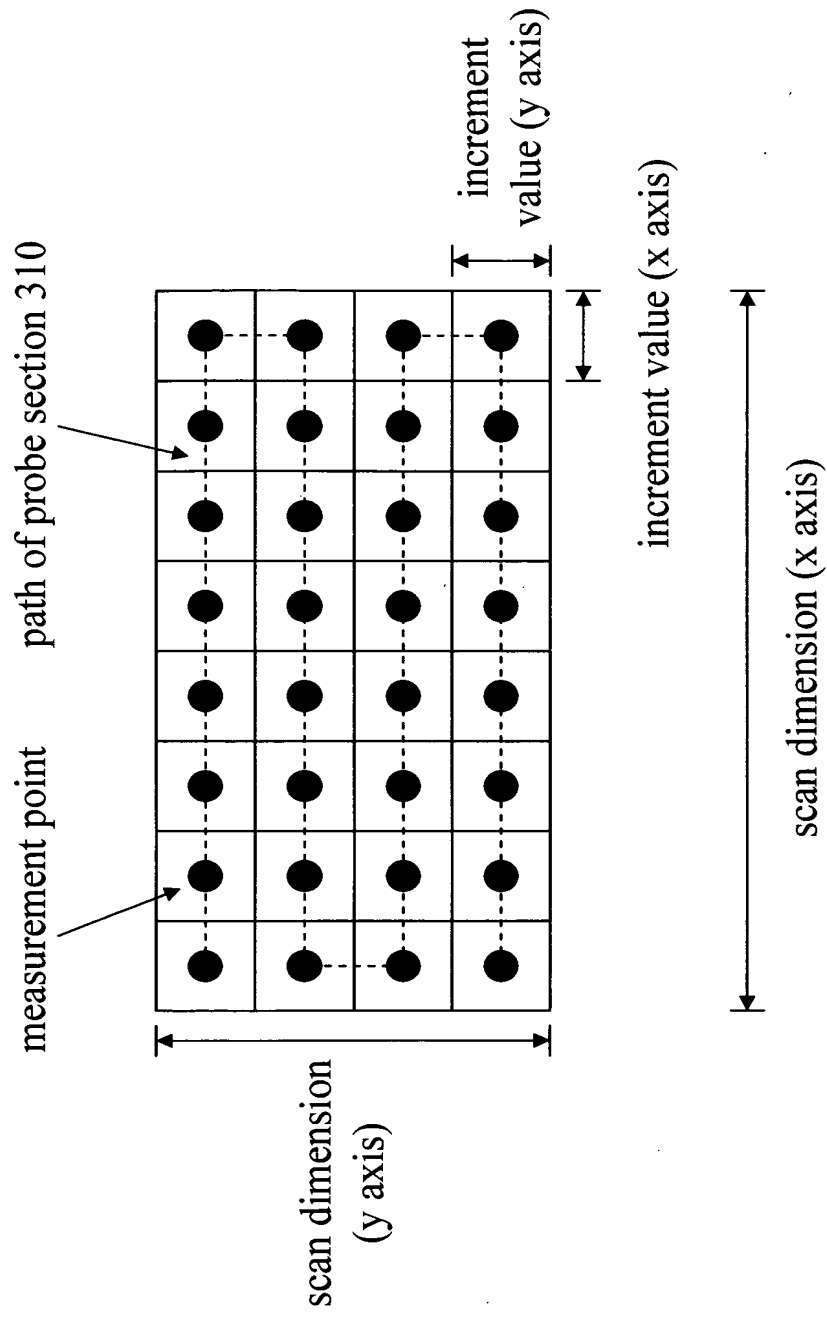


FIG. 15

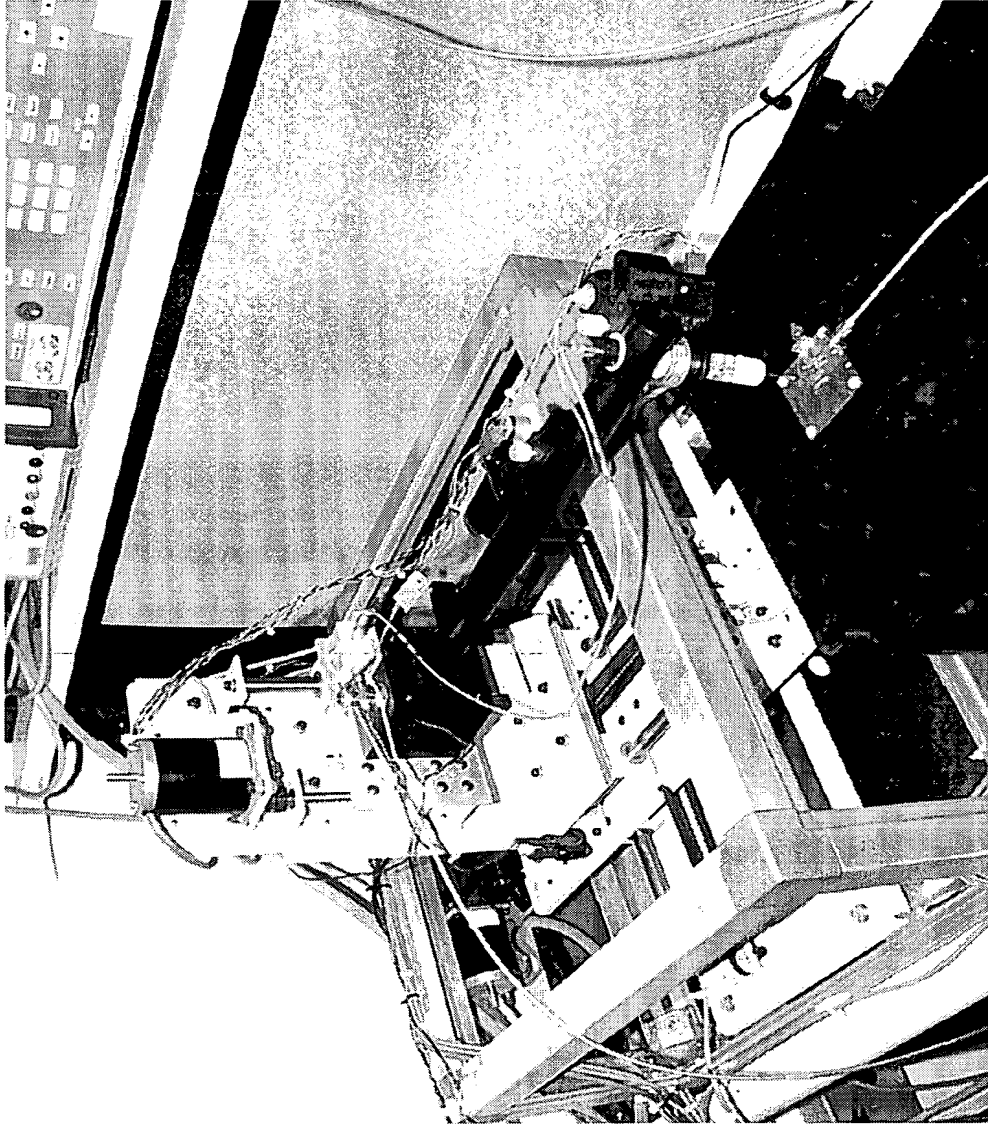


FIG. 16

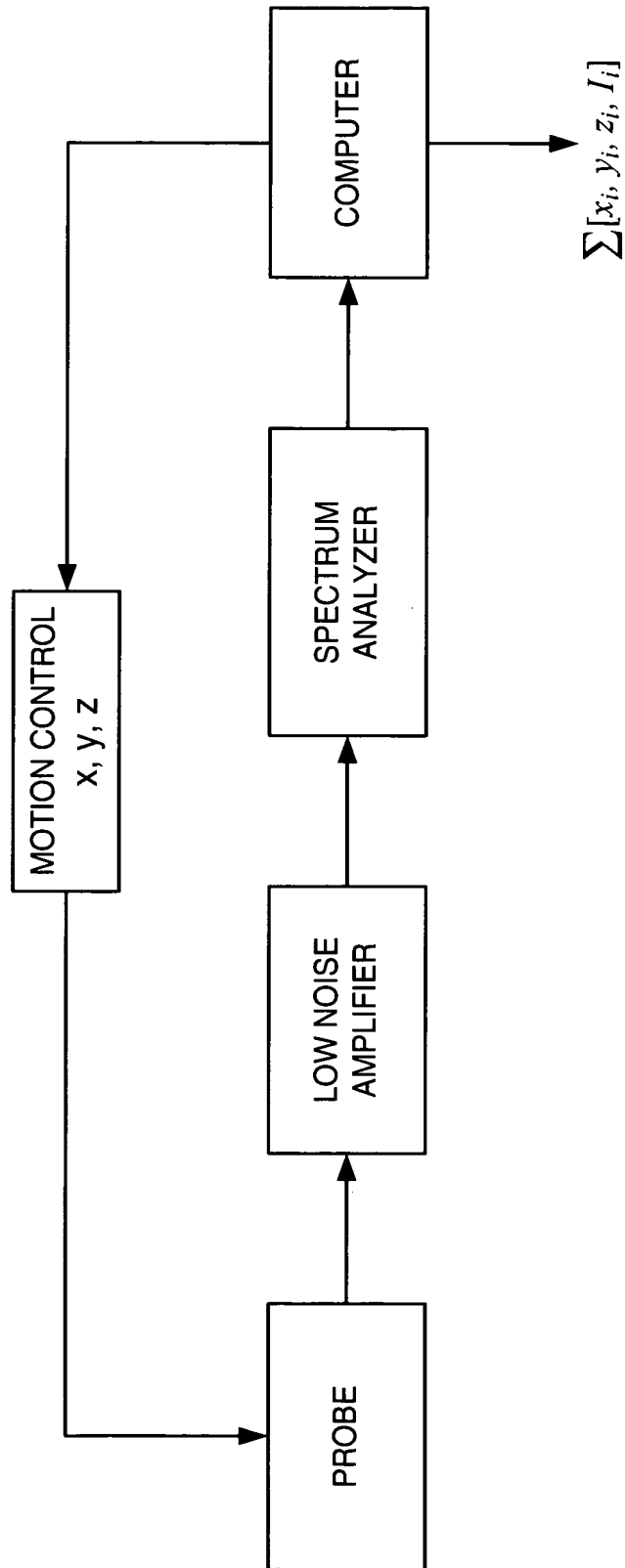


FIG. 17

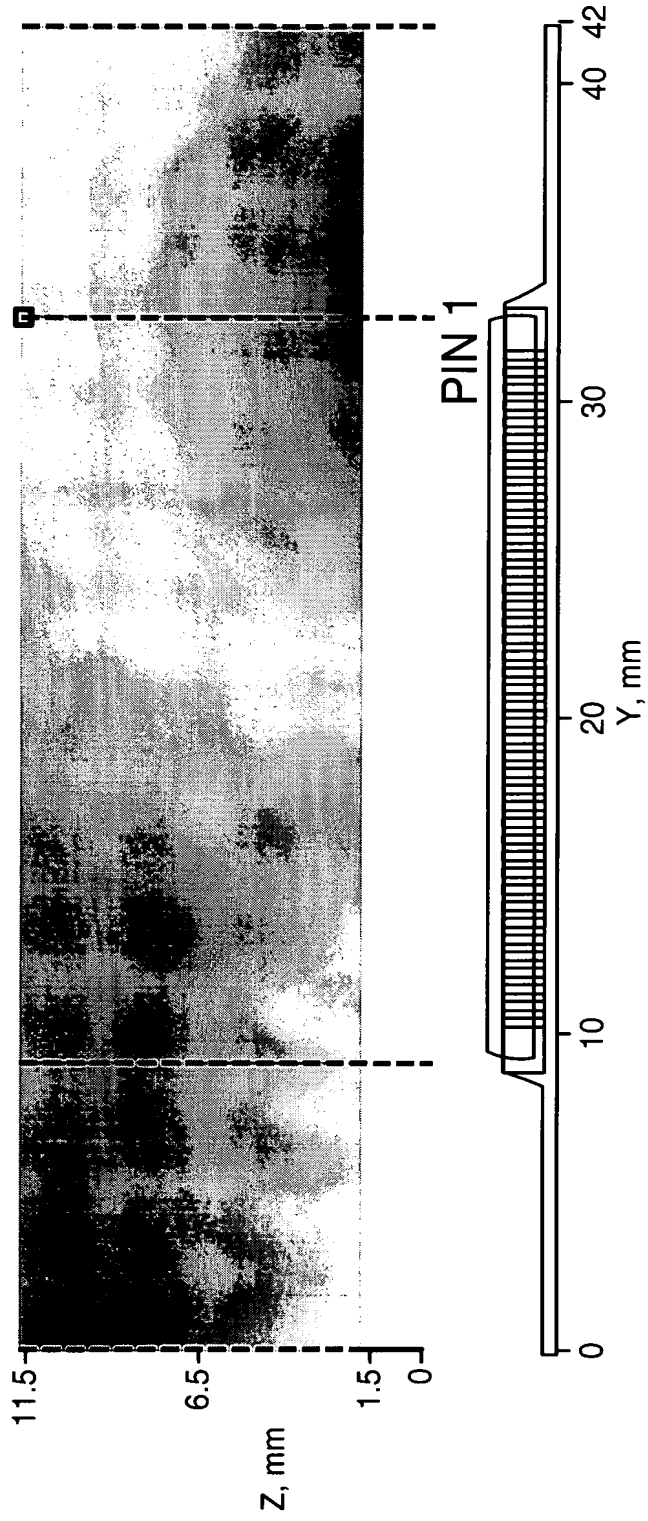


FIG. 18

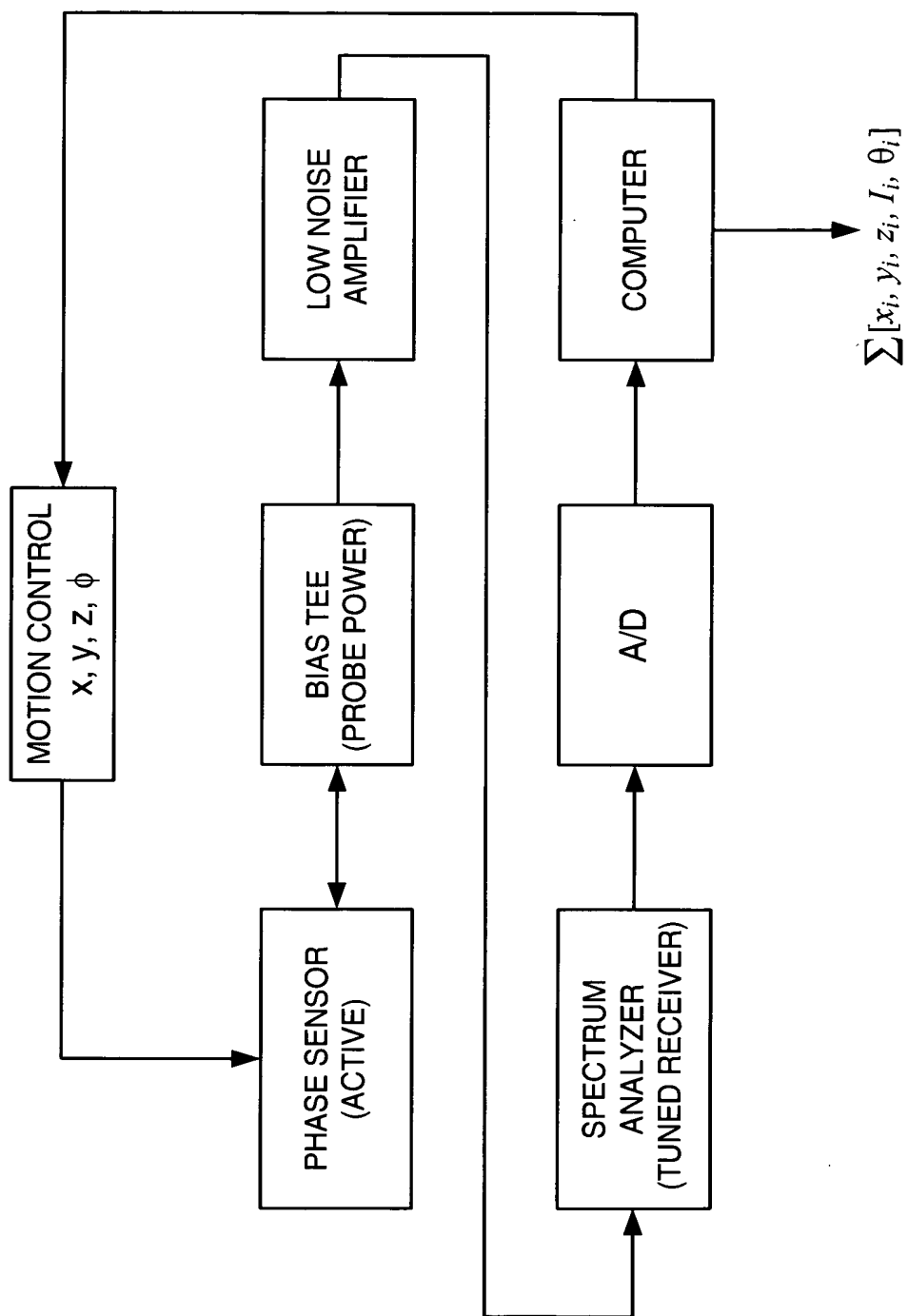


FIG. 19

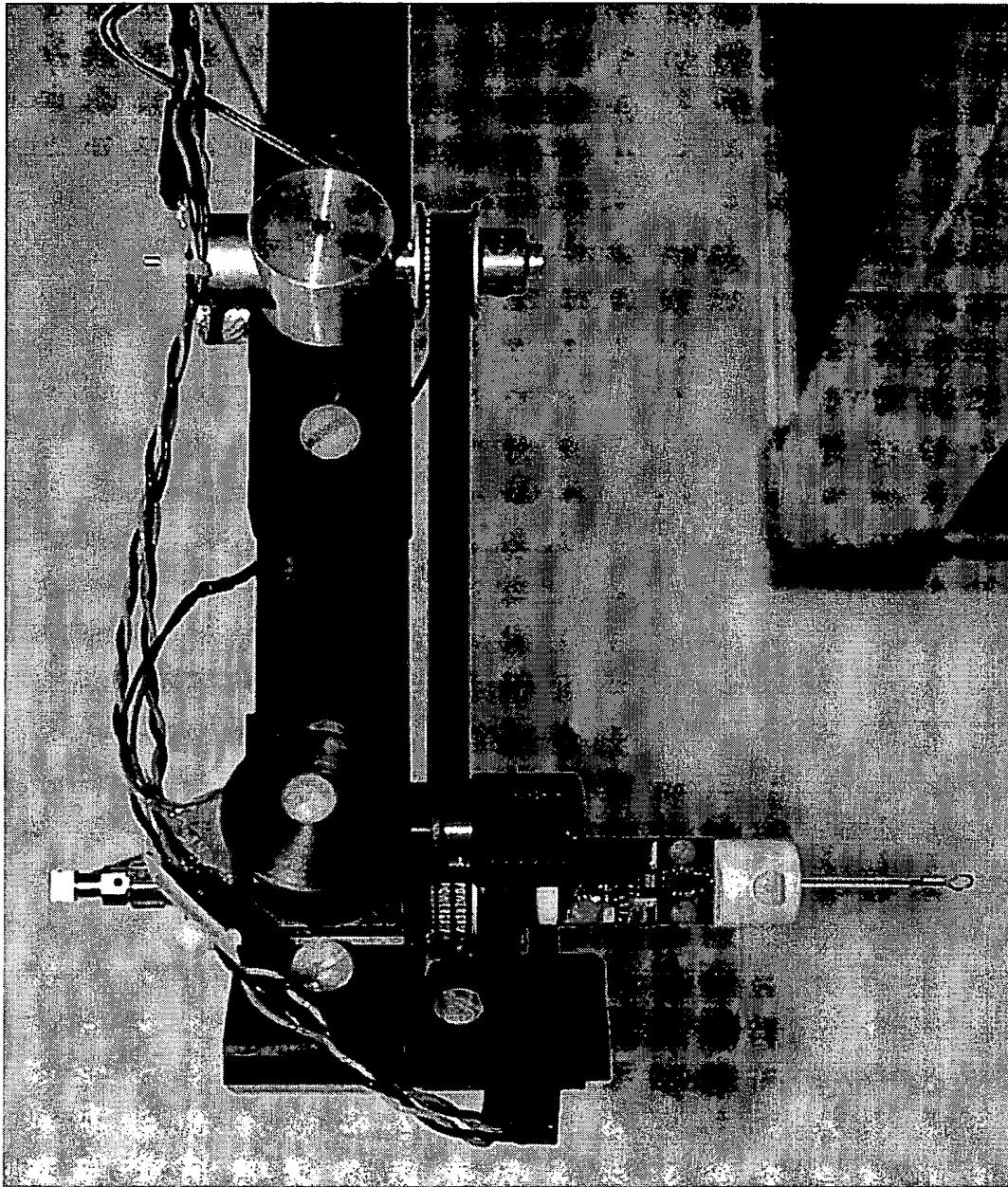


FIG. 20

11/16/99 - Micro stripline is terminated in 50 ohms. Frequency: 1000 MHz
 Probe Type: Magnetic Field. Measurement Increments: dx: 1.94 mm, dy: 1.97 mm, dz: 0 mm
 Number of Planes: 1, at 14.52 mm above DUT. Magnetic Field Intensity Unit: dB uA/m.

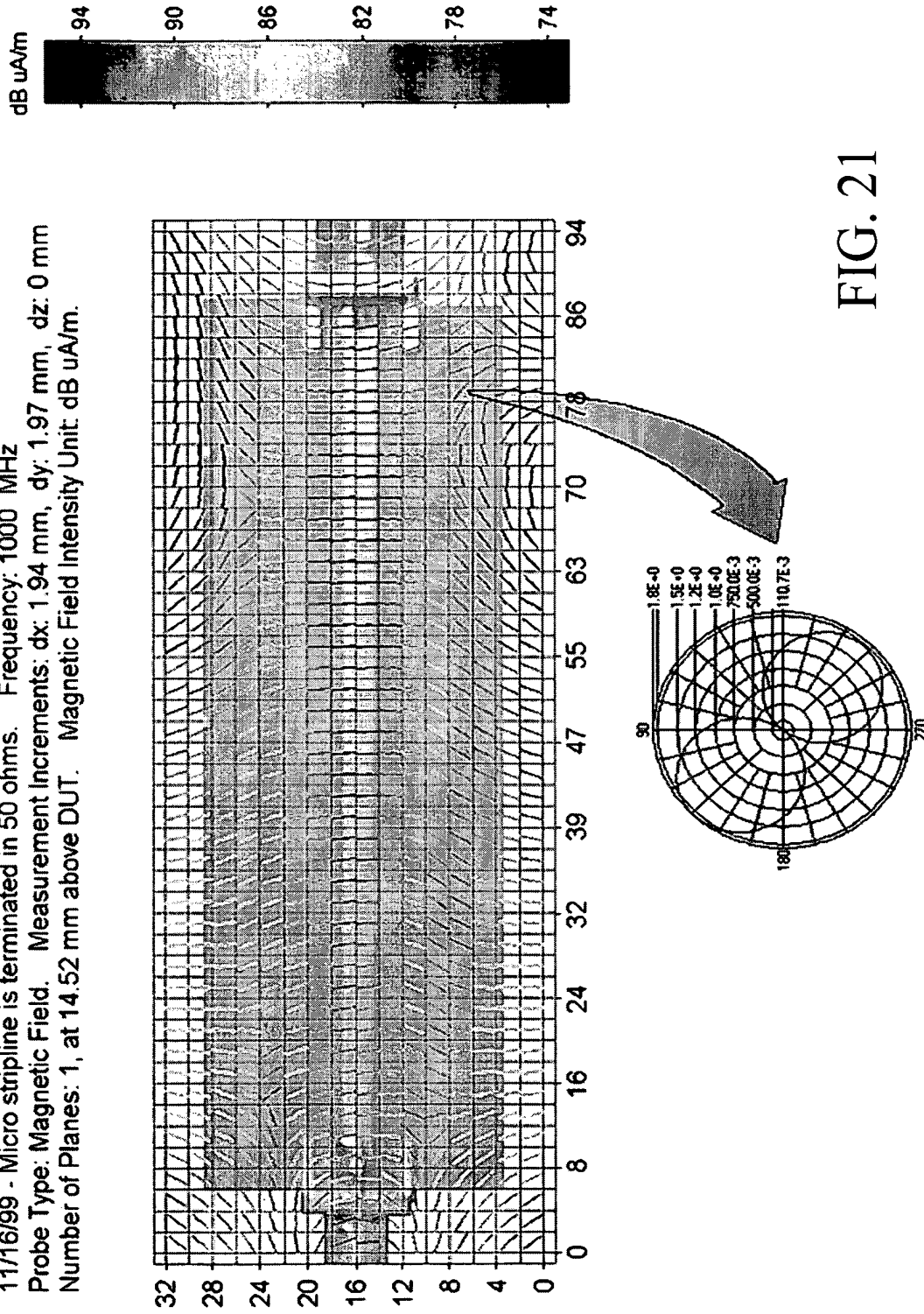


FIG. 21

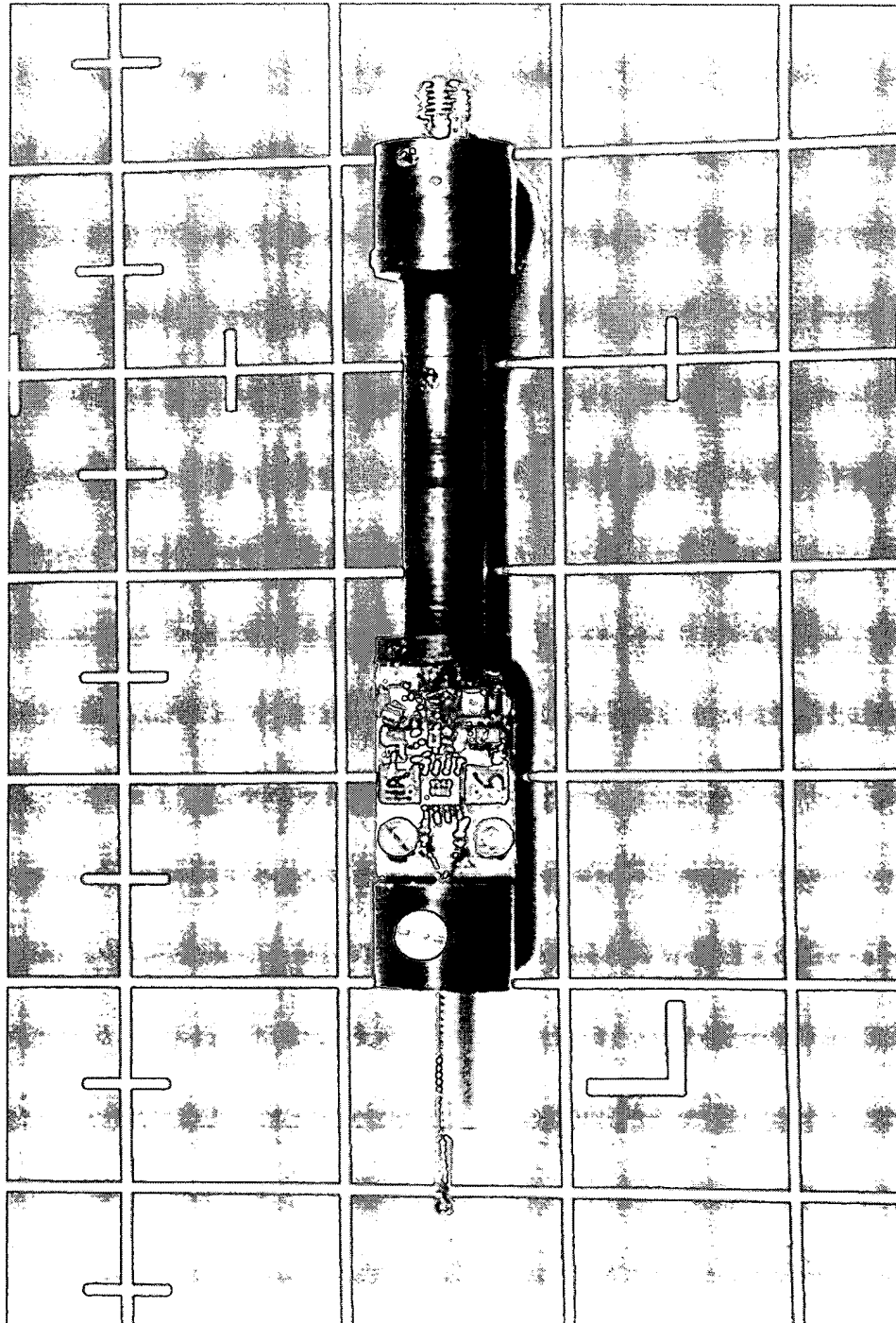


FIG. 22

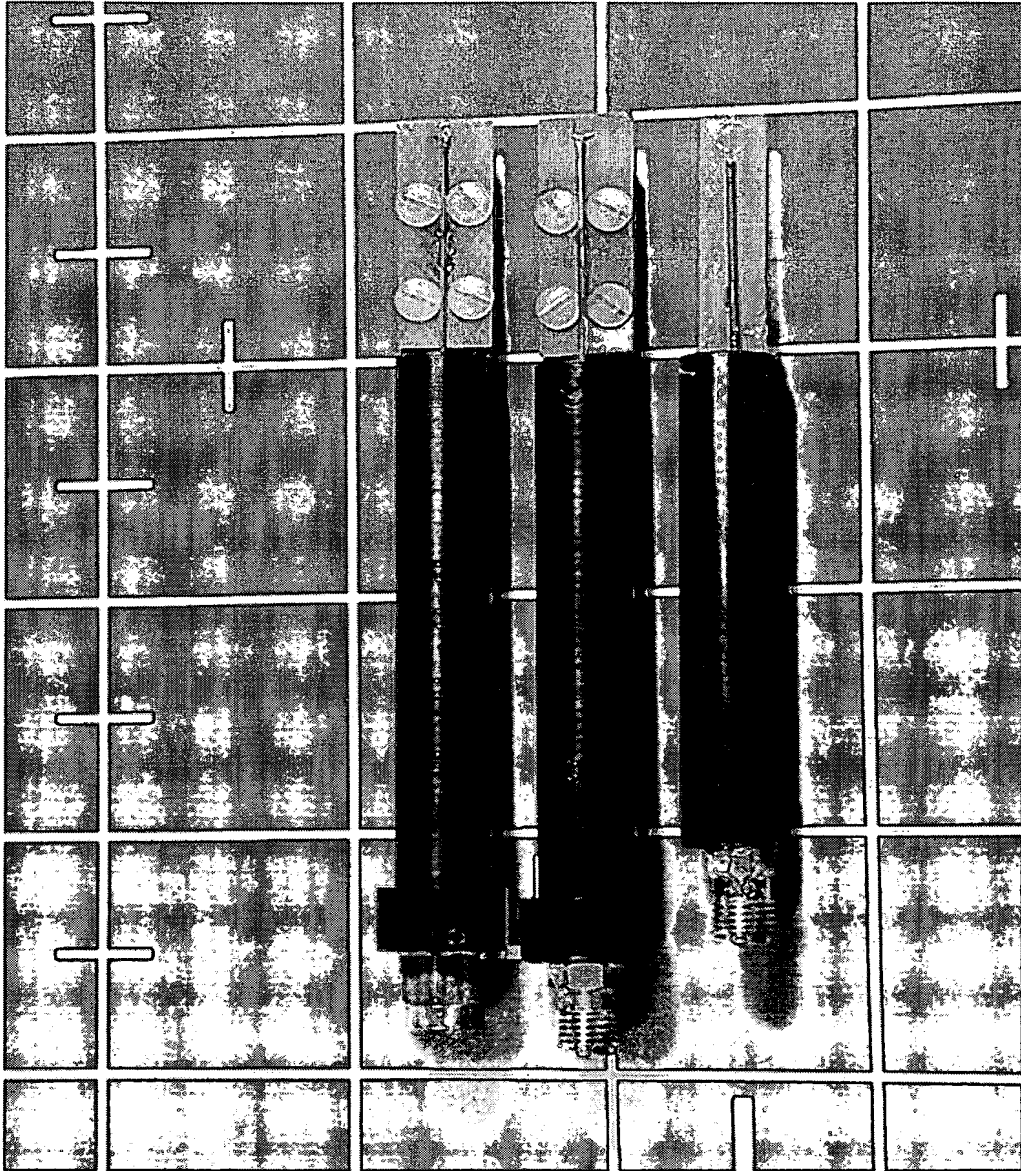


FIG. 23

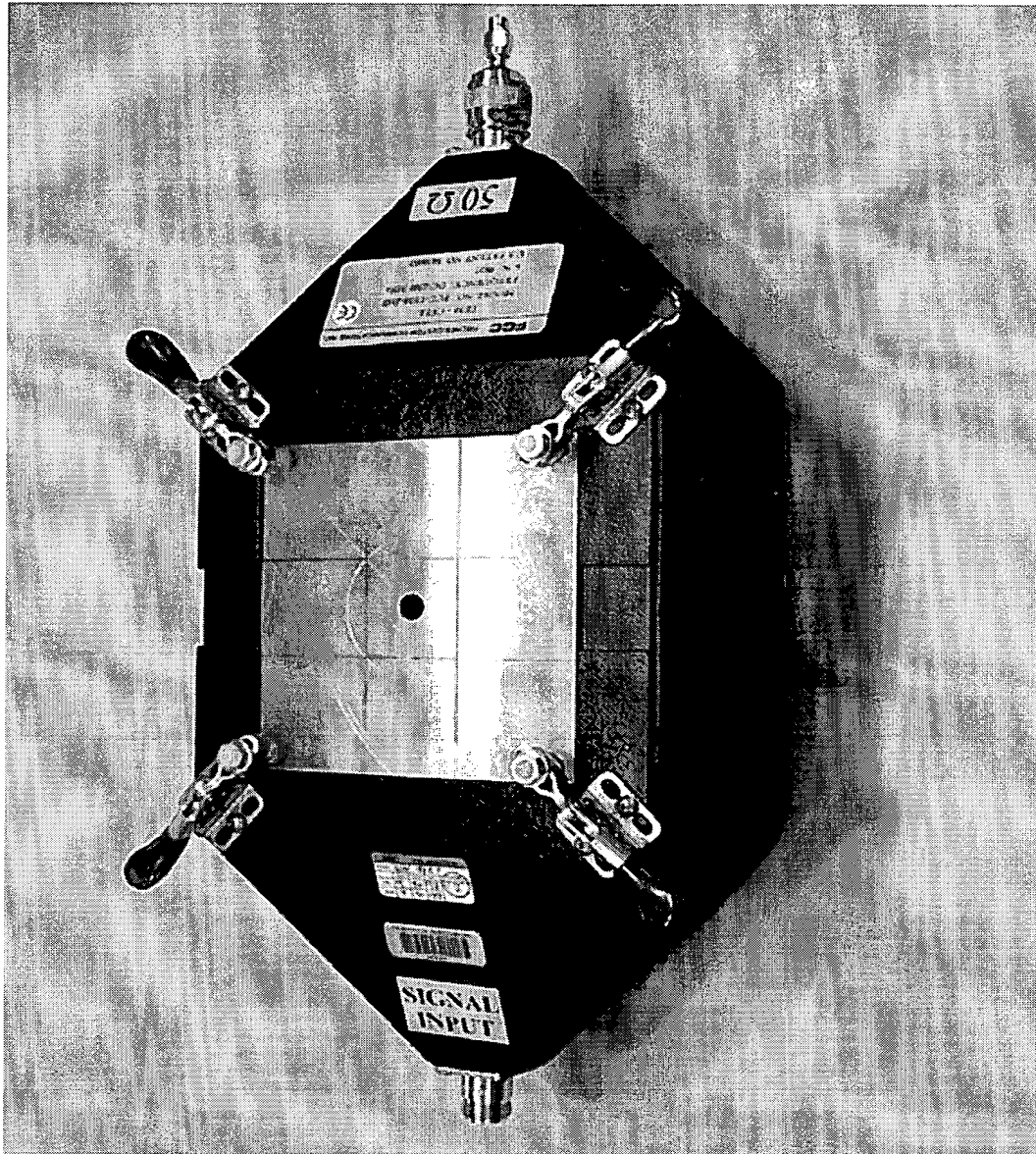


FIG. 24

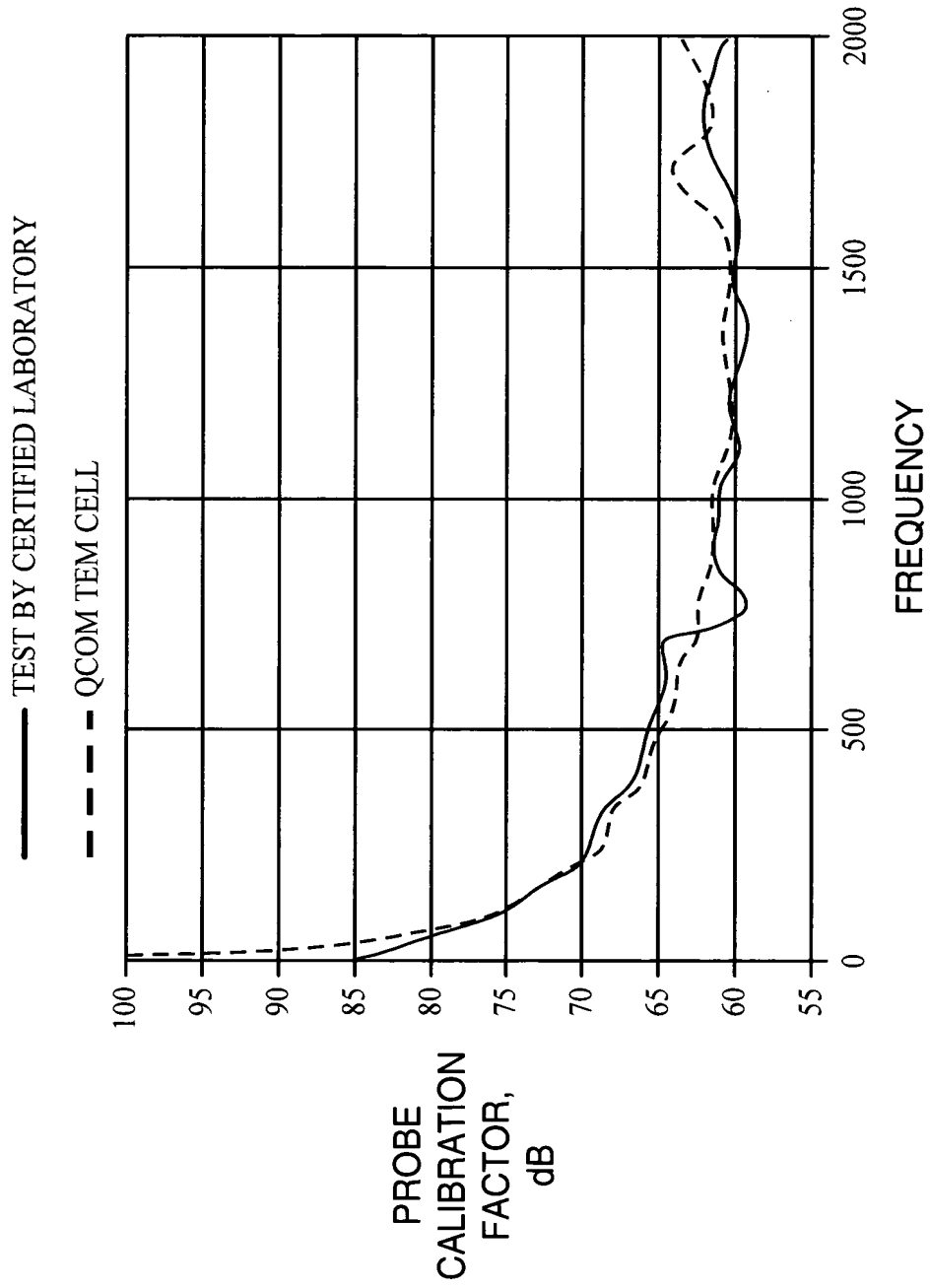


FIG. 25

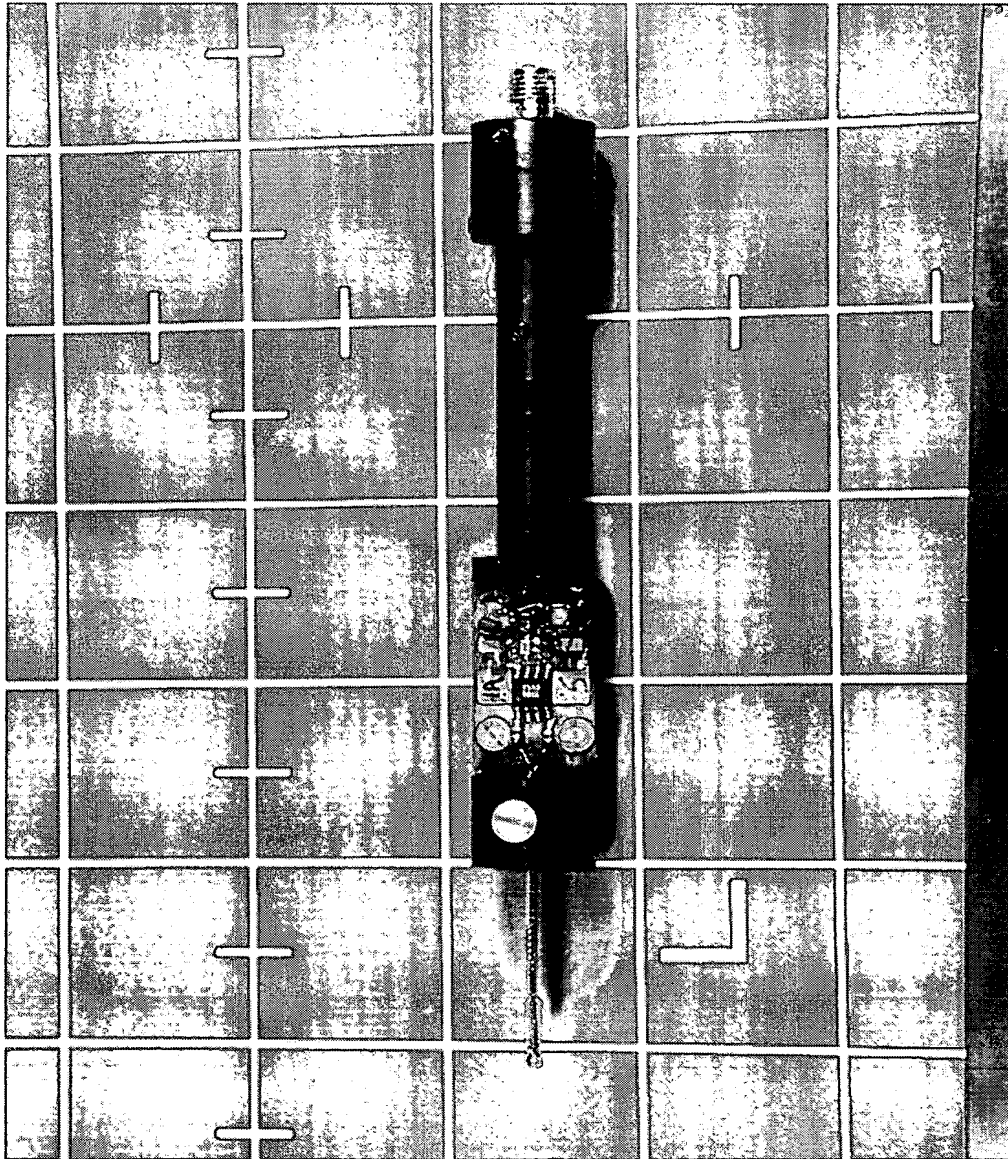


FIG. 26

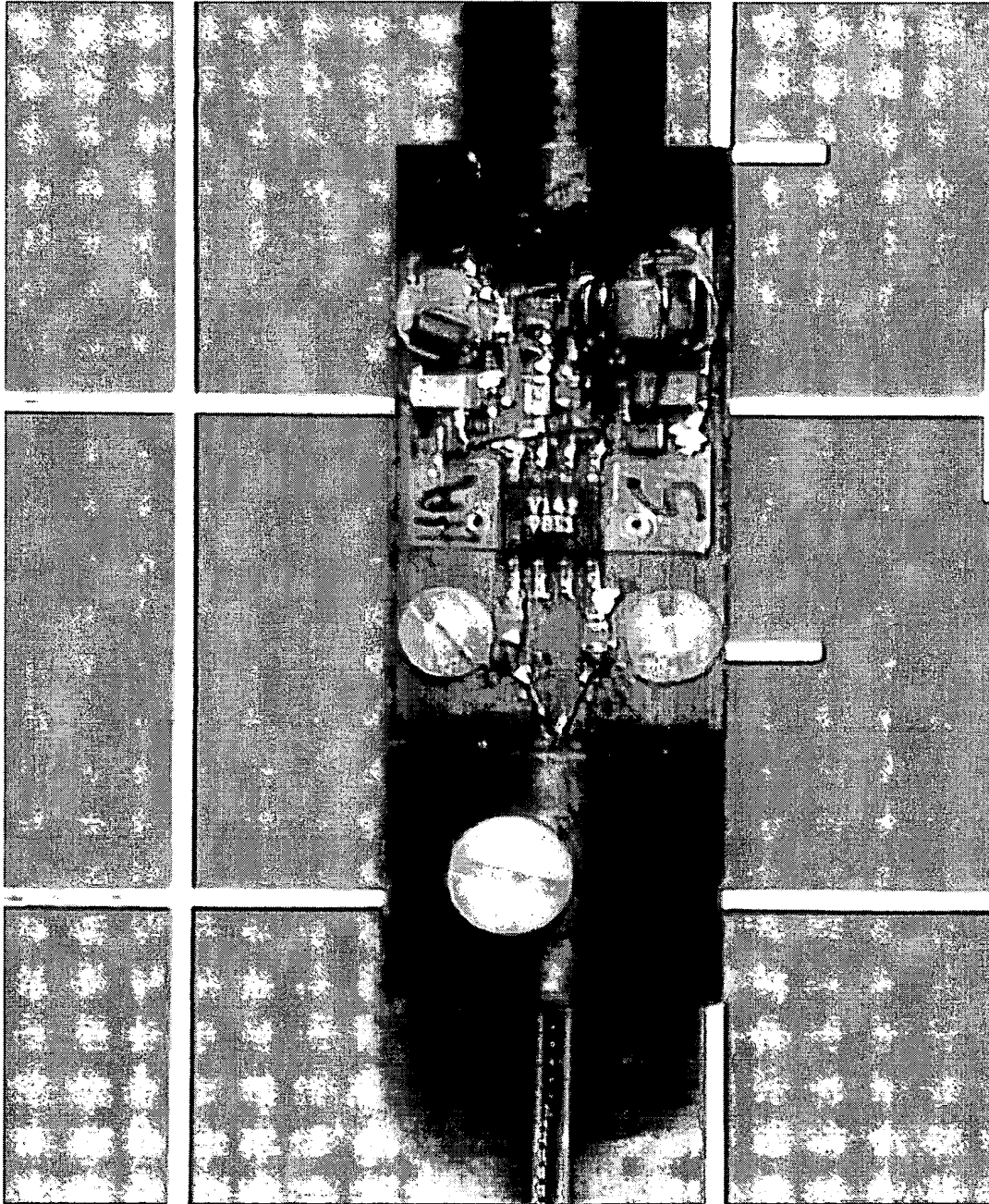


FIG. 27

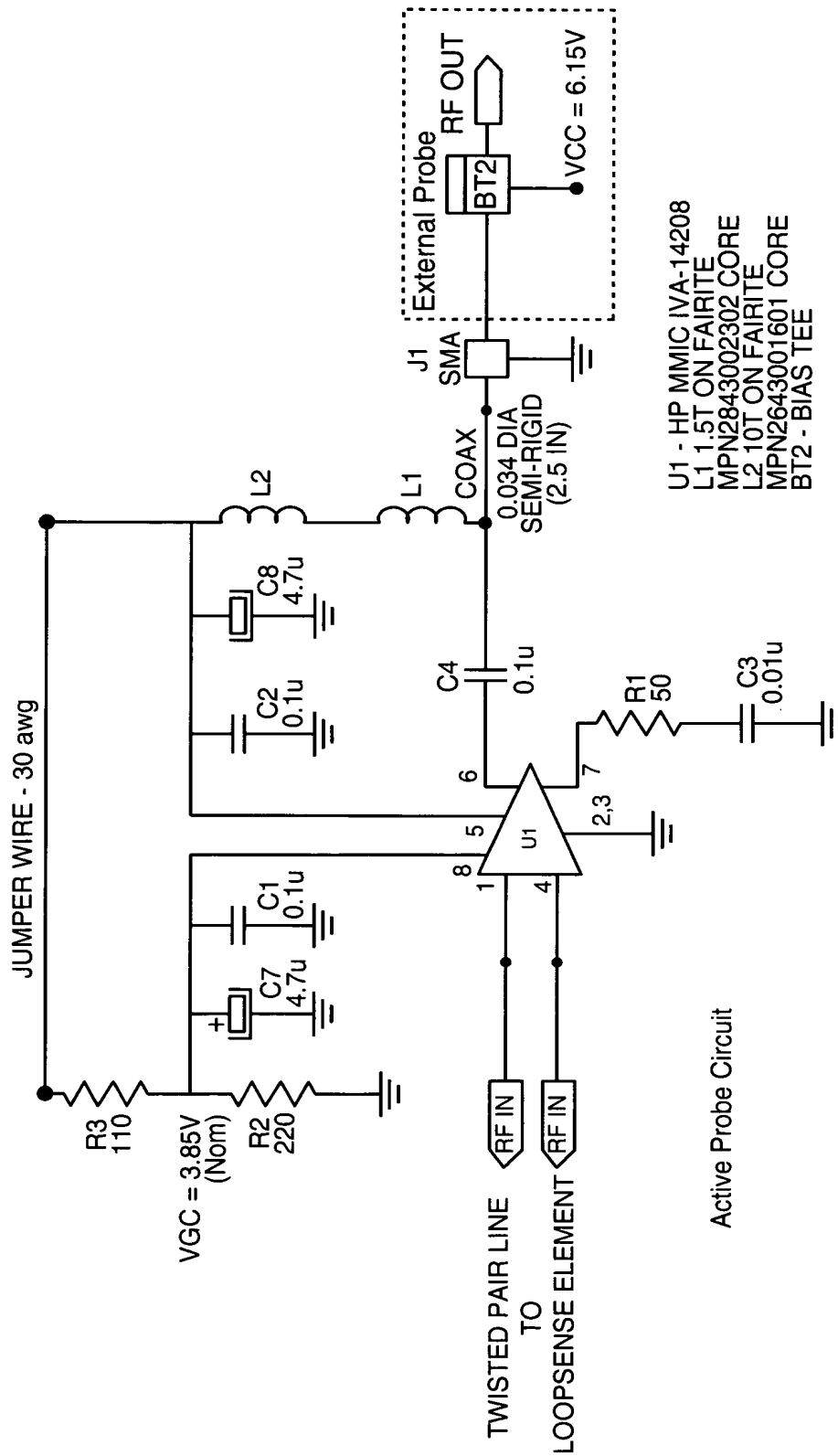


FIG. 28

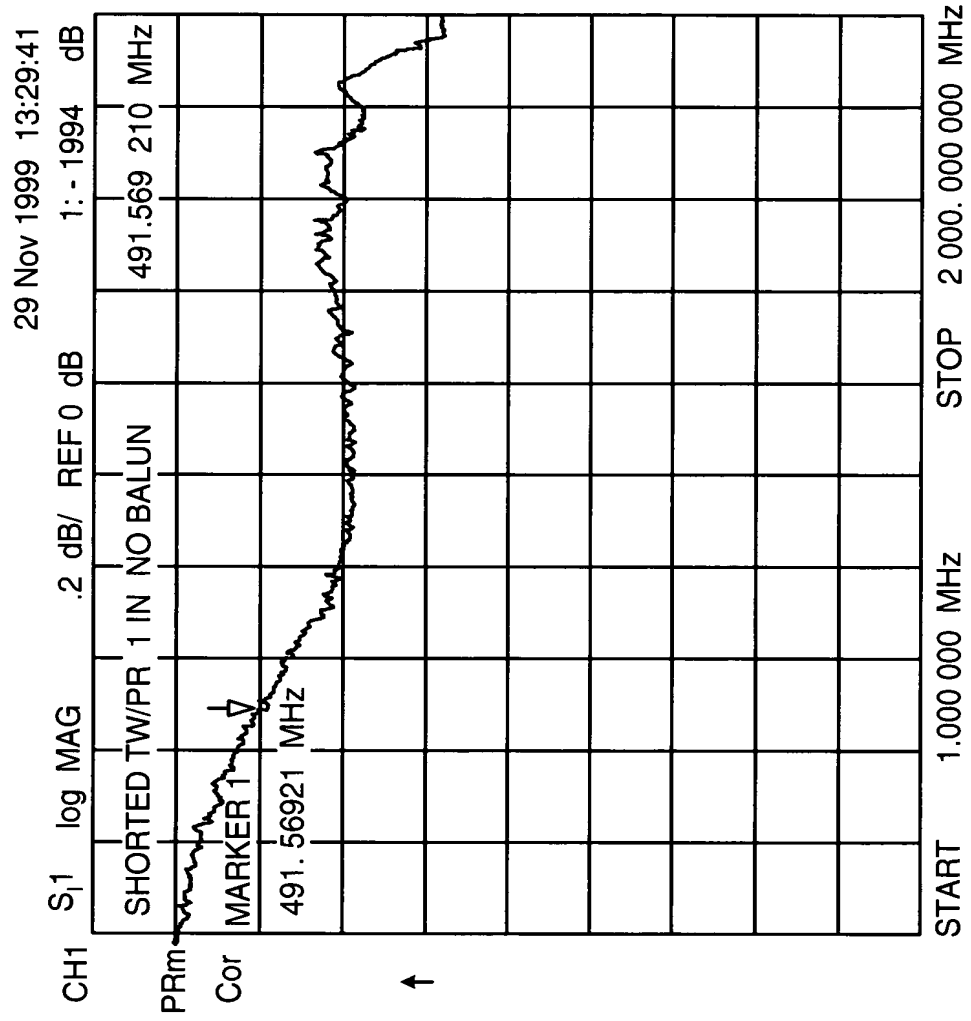


FIG. 29

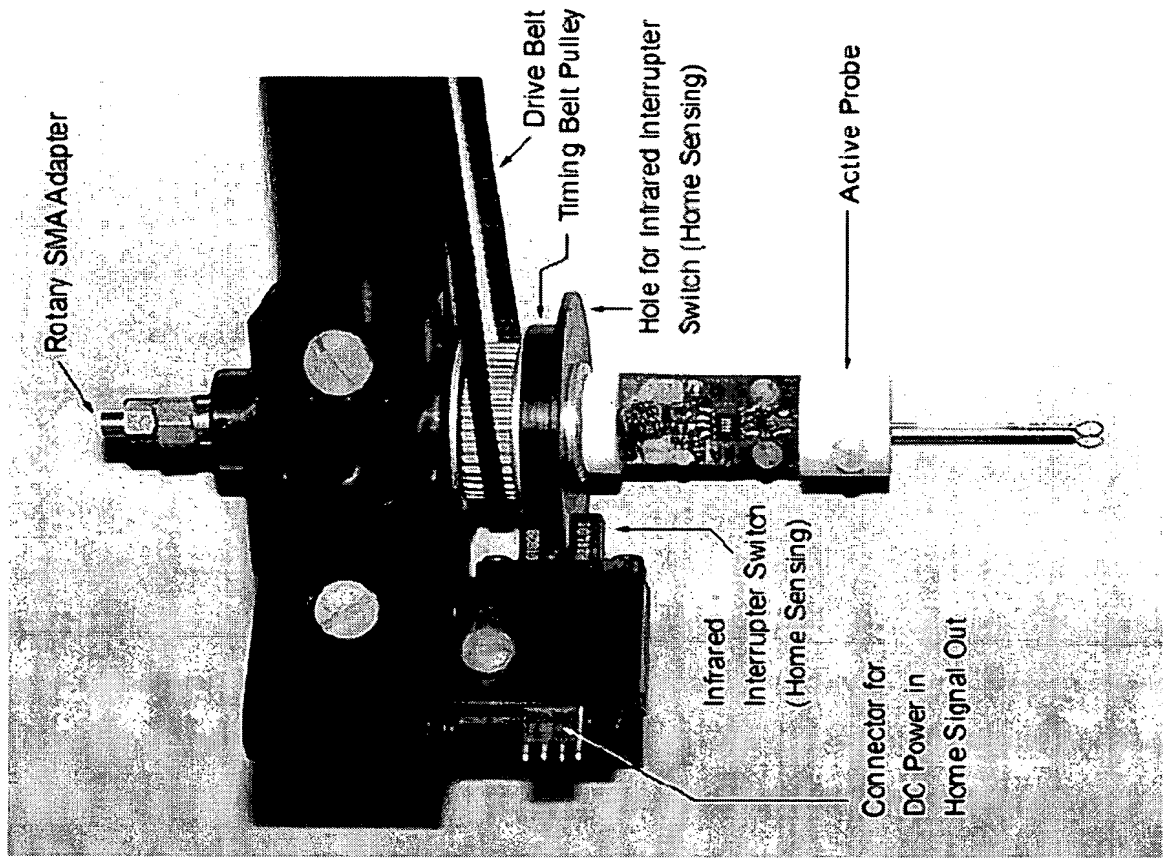


FIG. 30

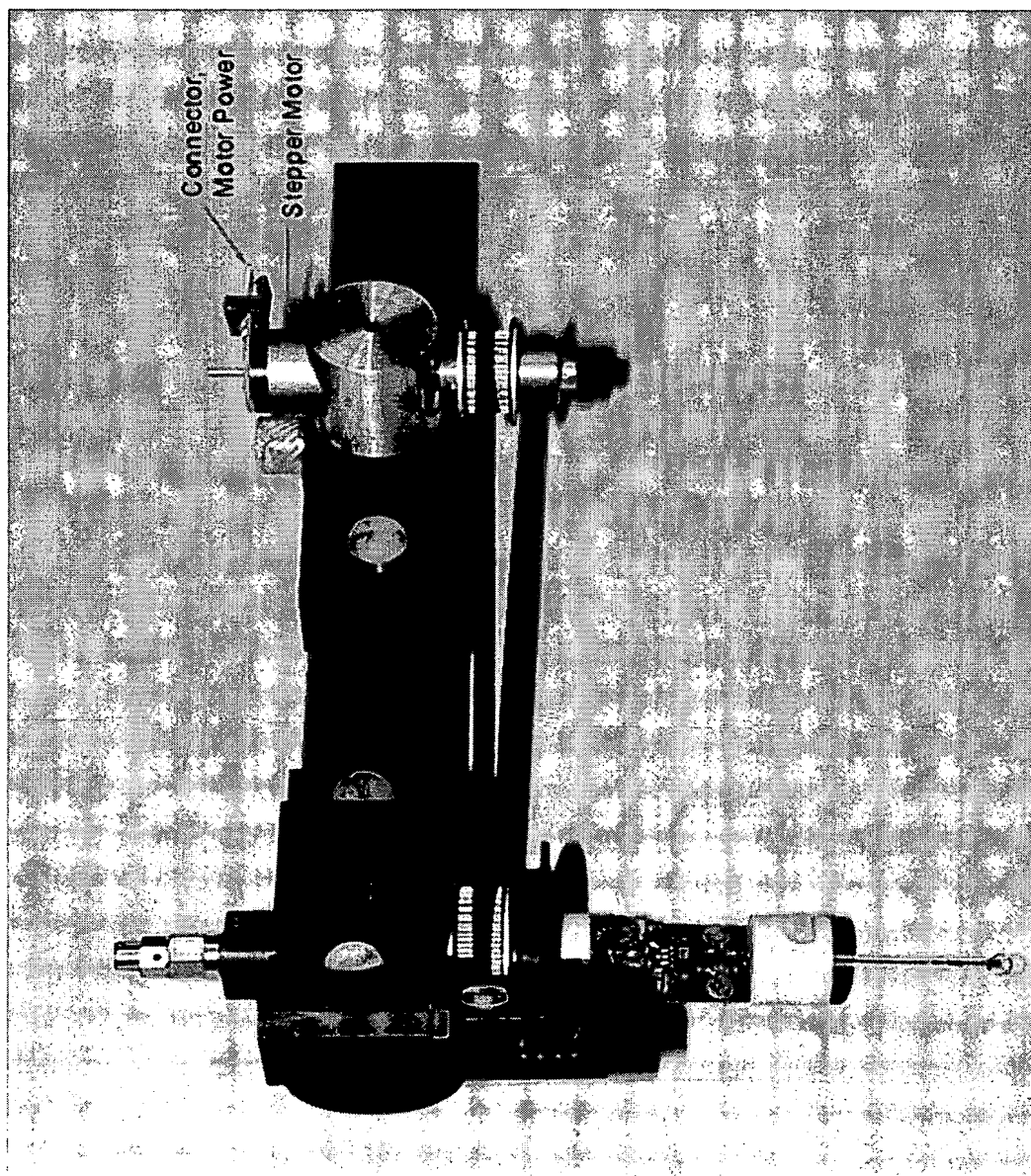


FIG. 31

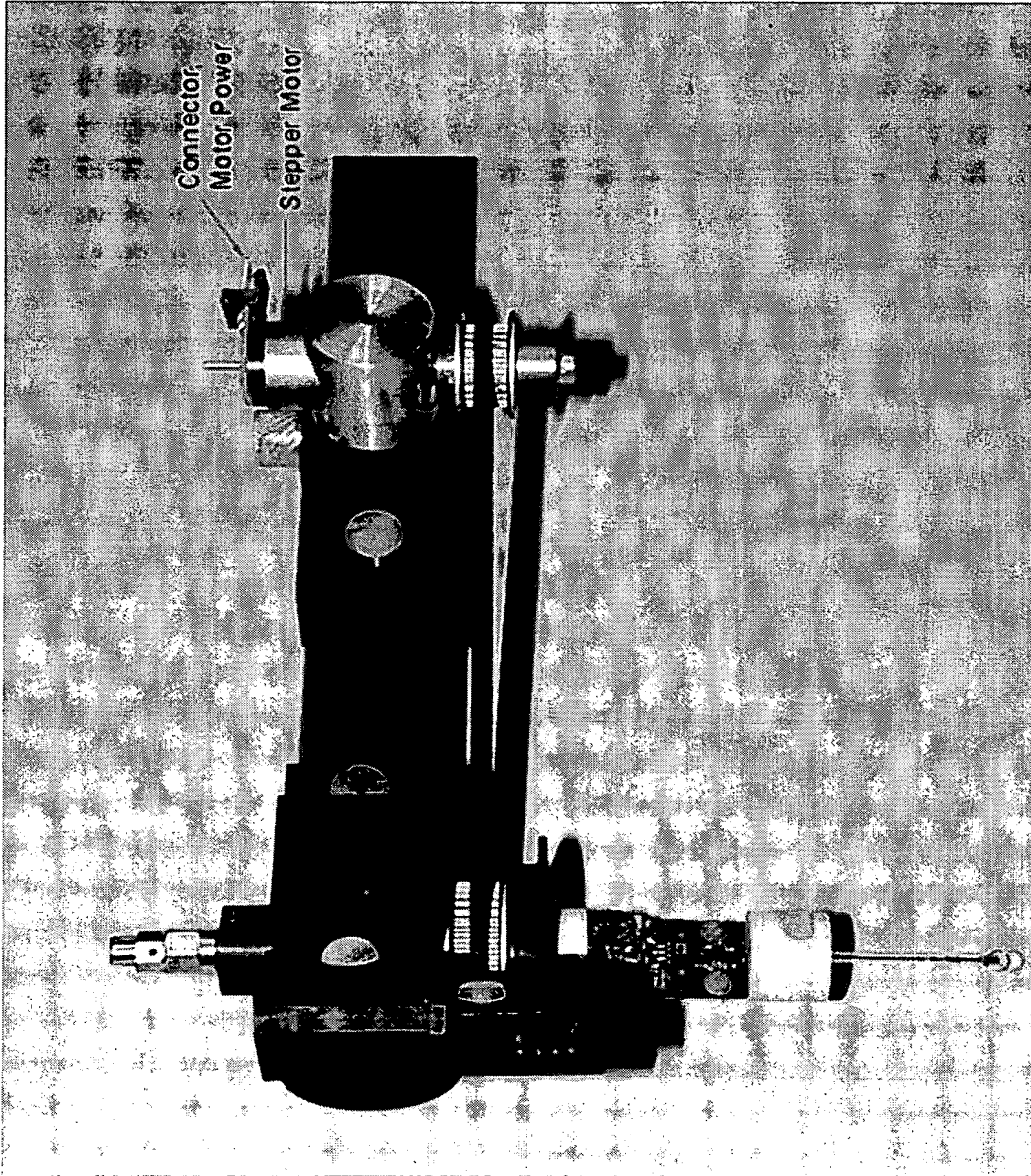


FIG. 32

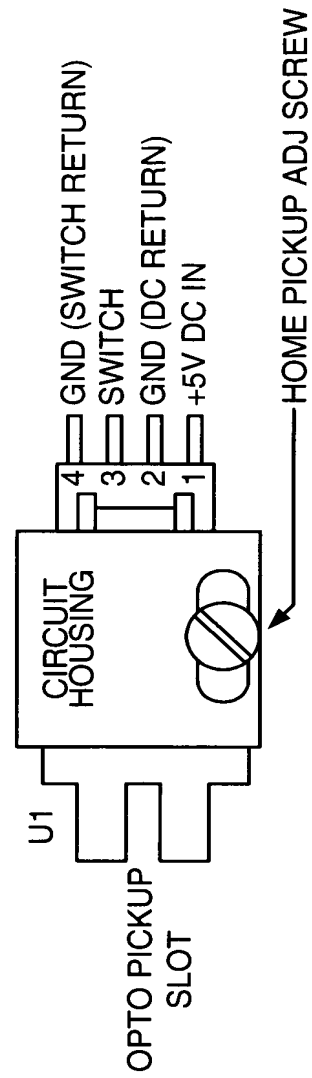
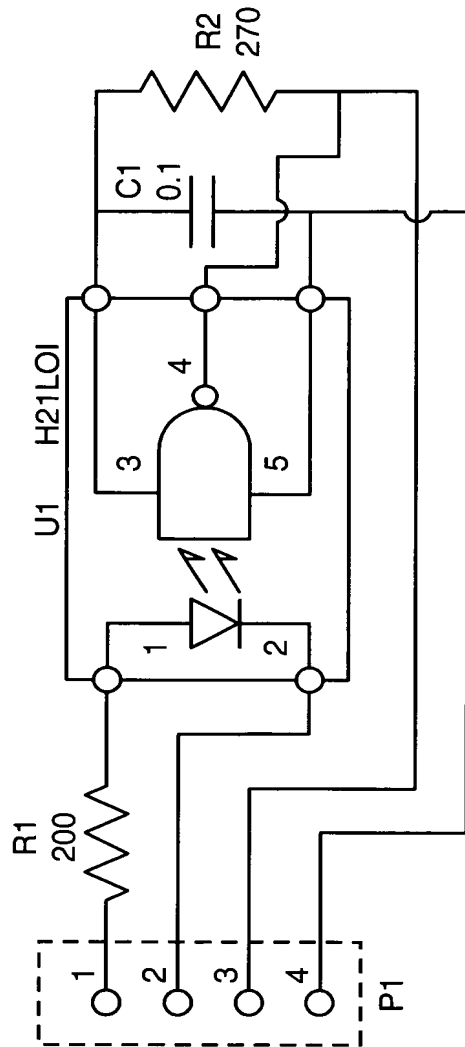


FIG. 33

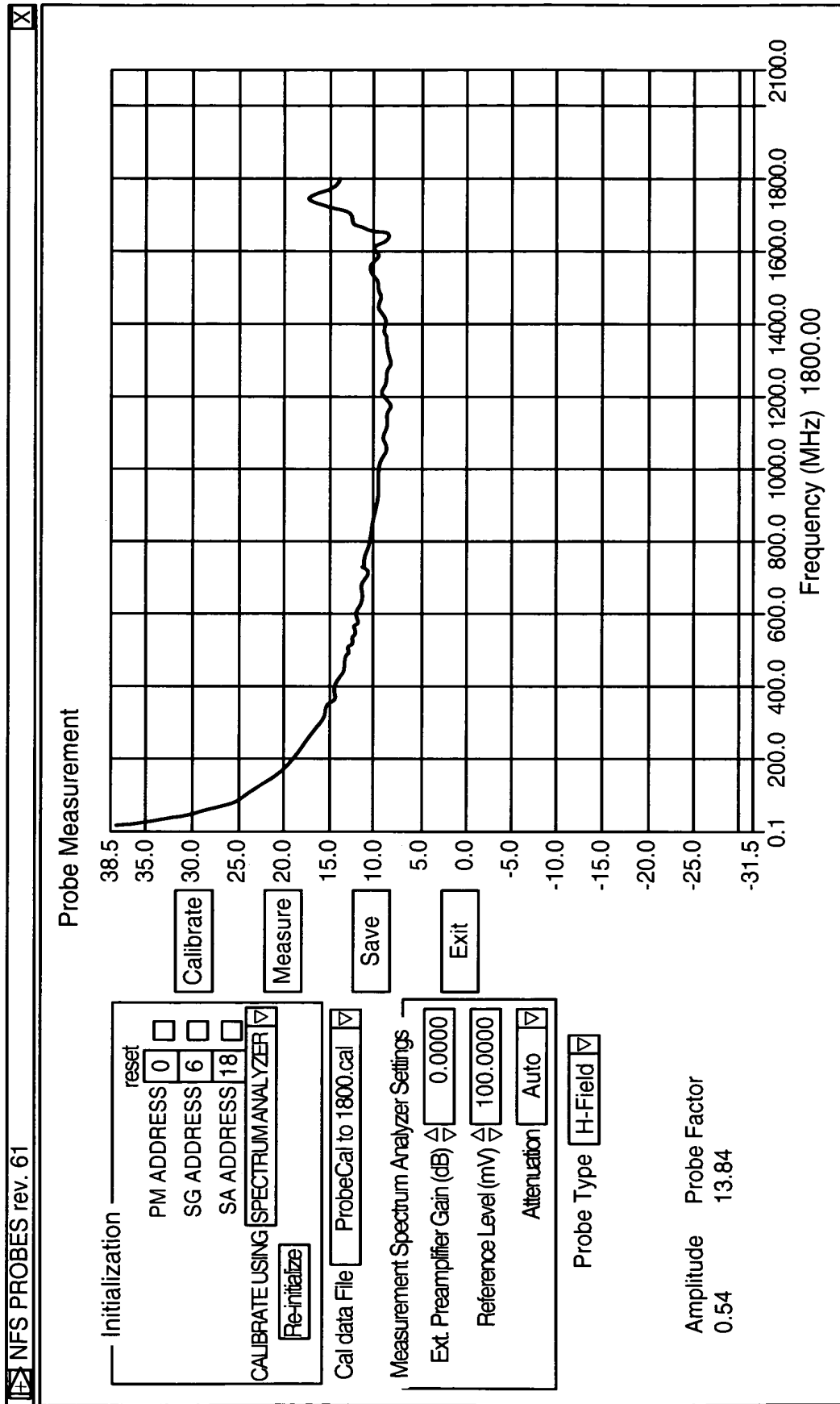


FIG. 34

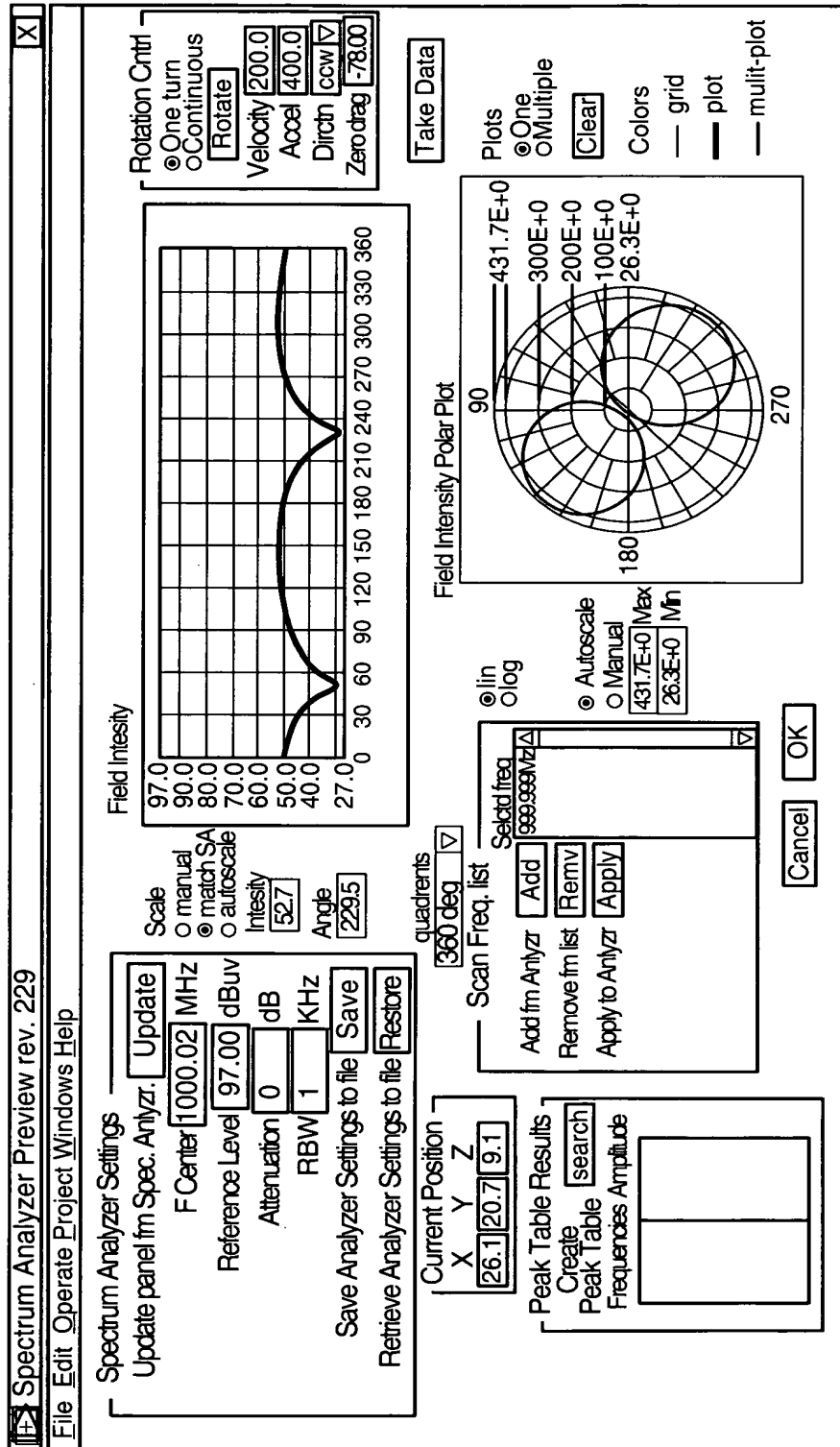


FIG. 35

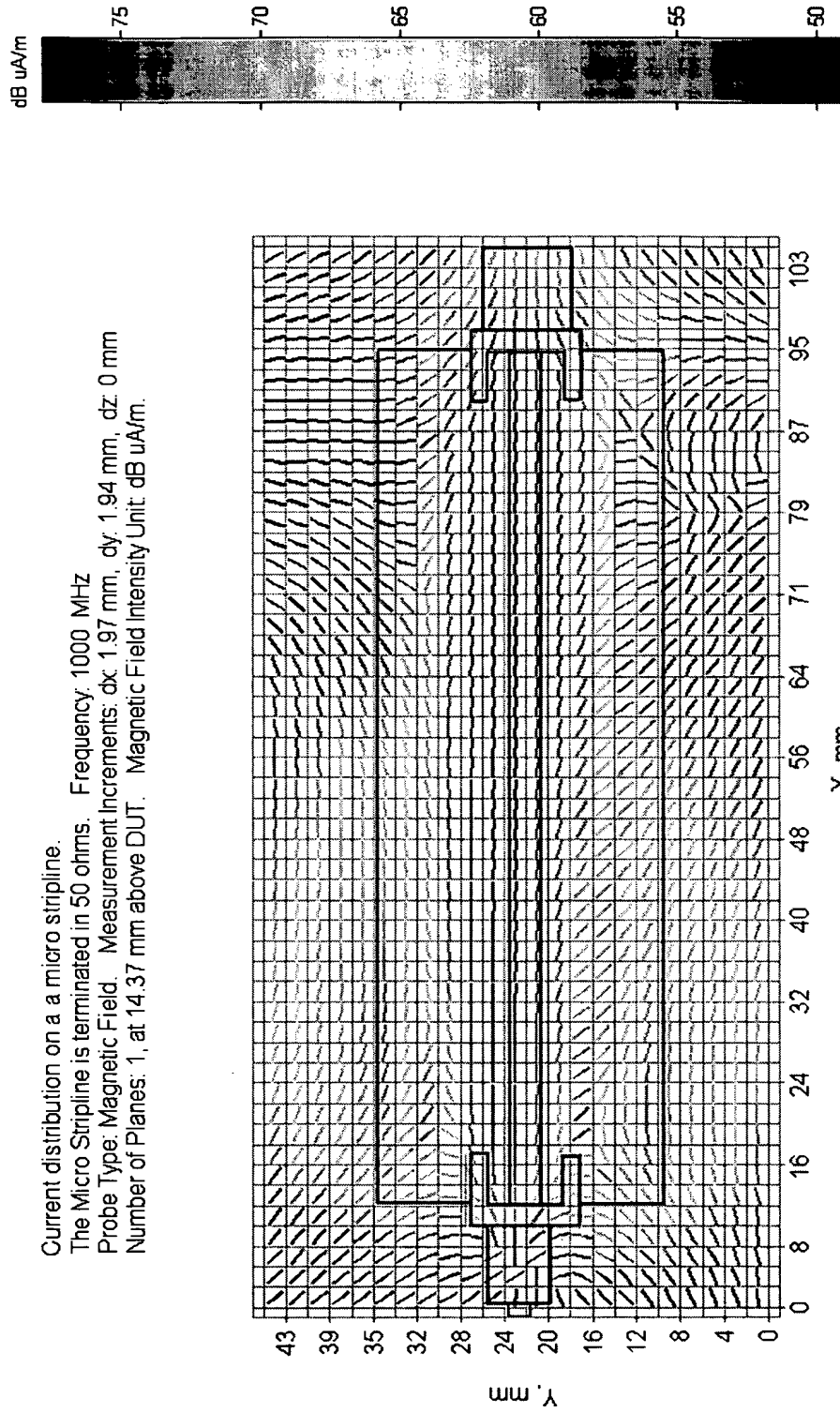


FIG. 36

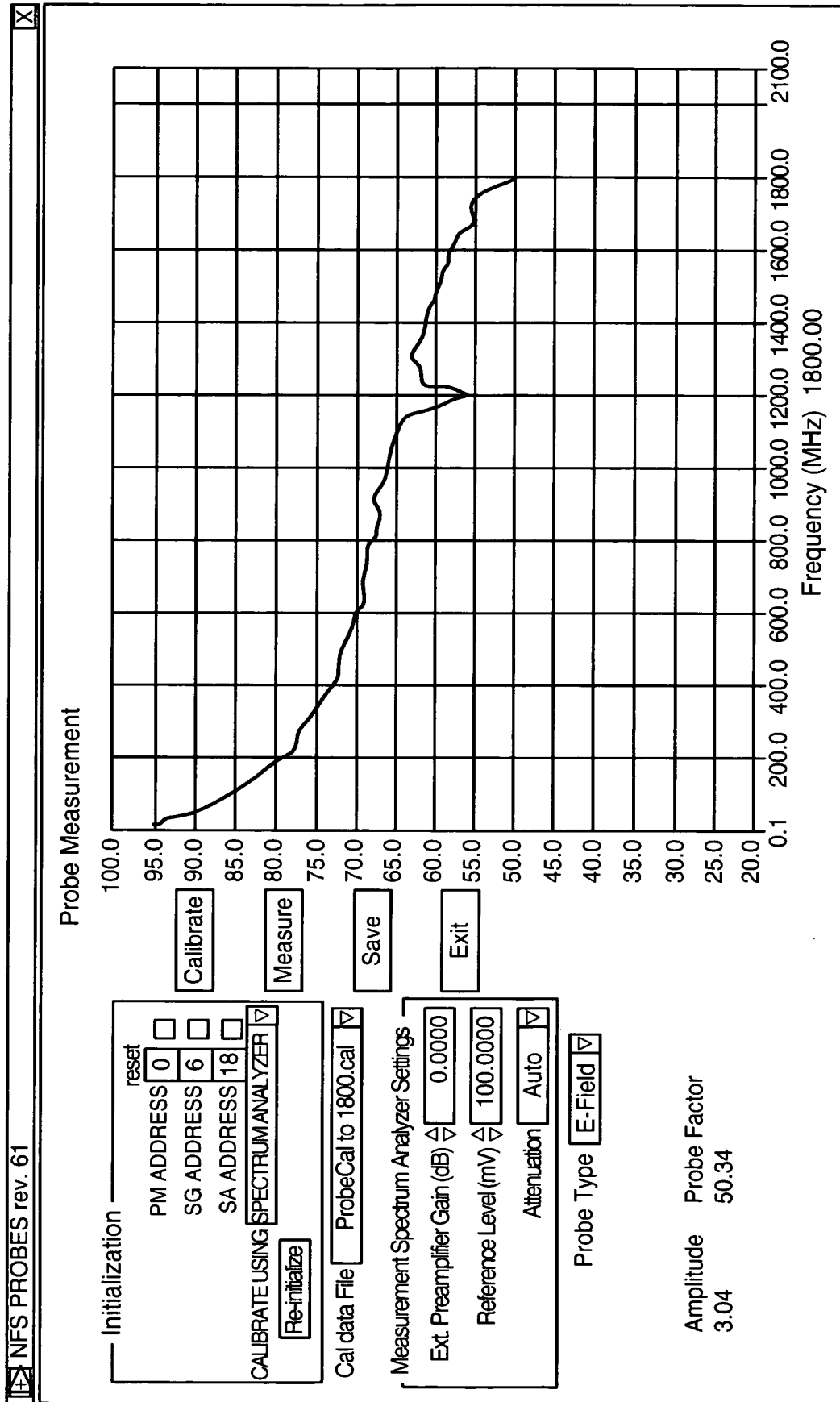


FIG. 37

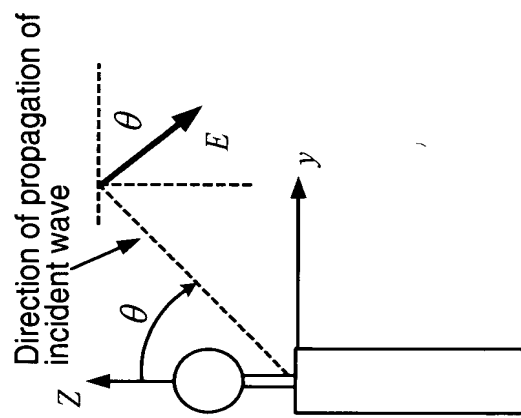


FIG. 38

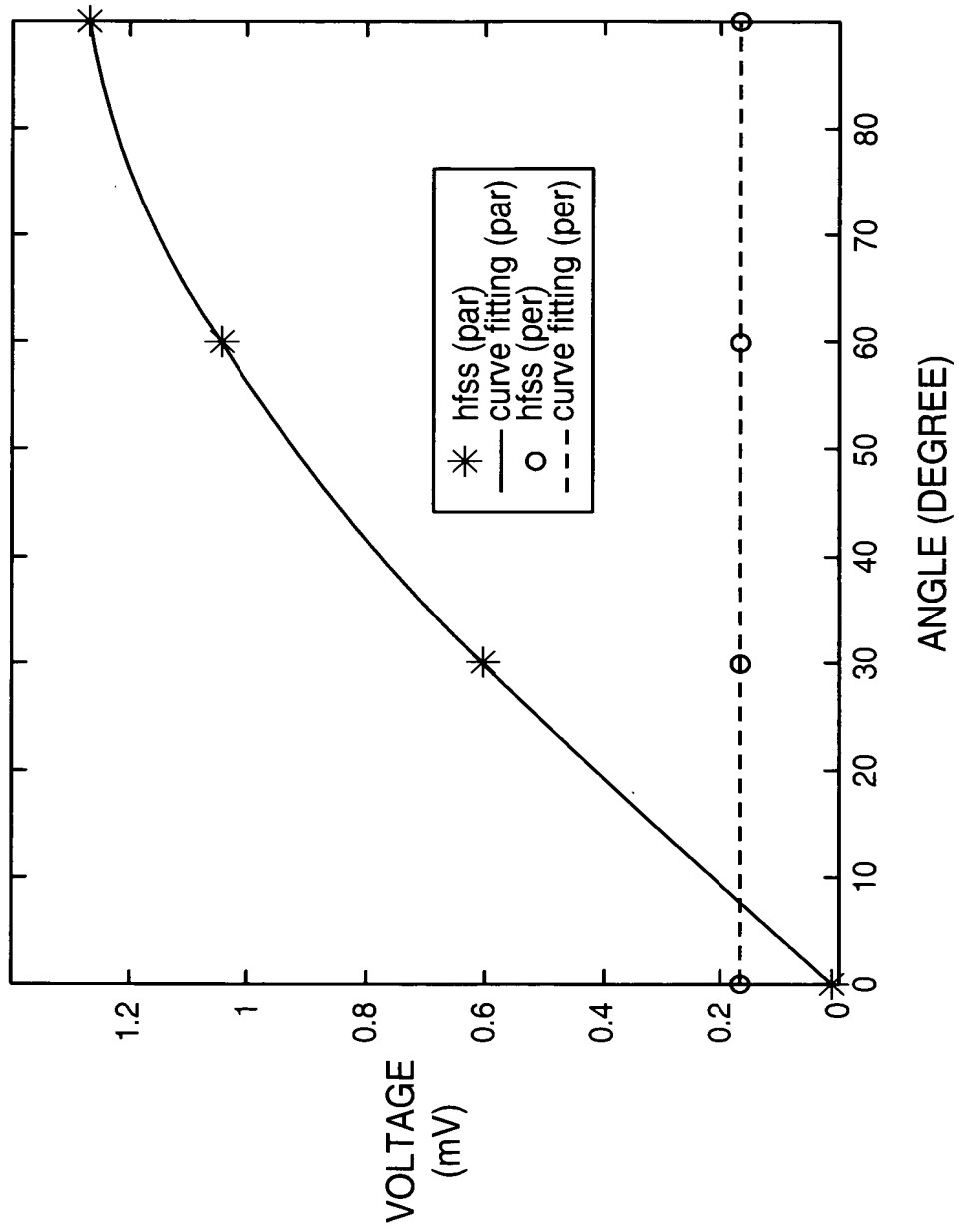


FIG. 39

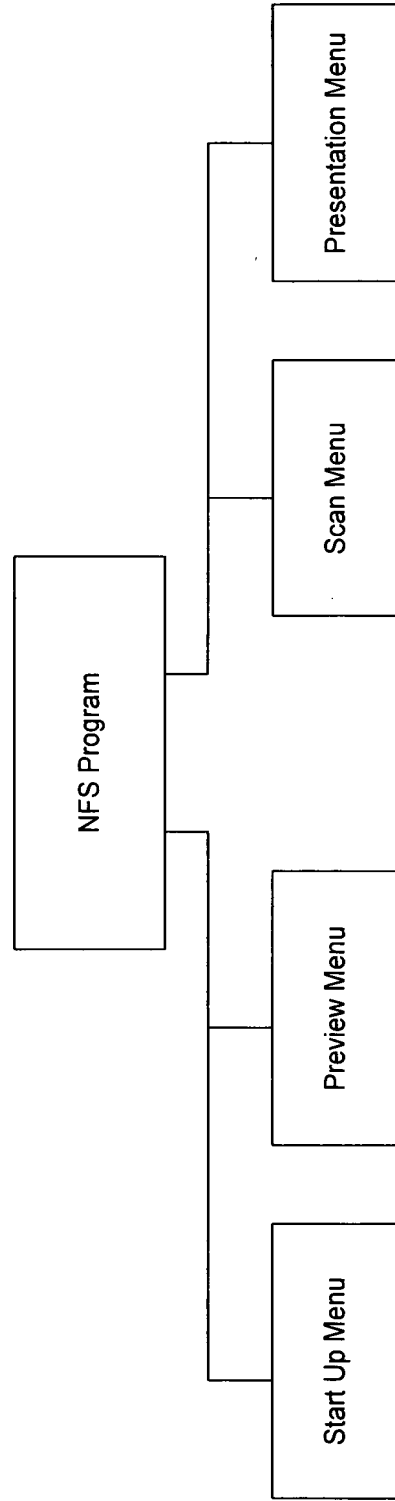


FIG. 40

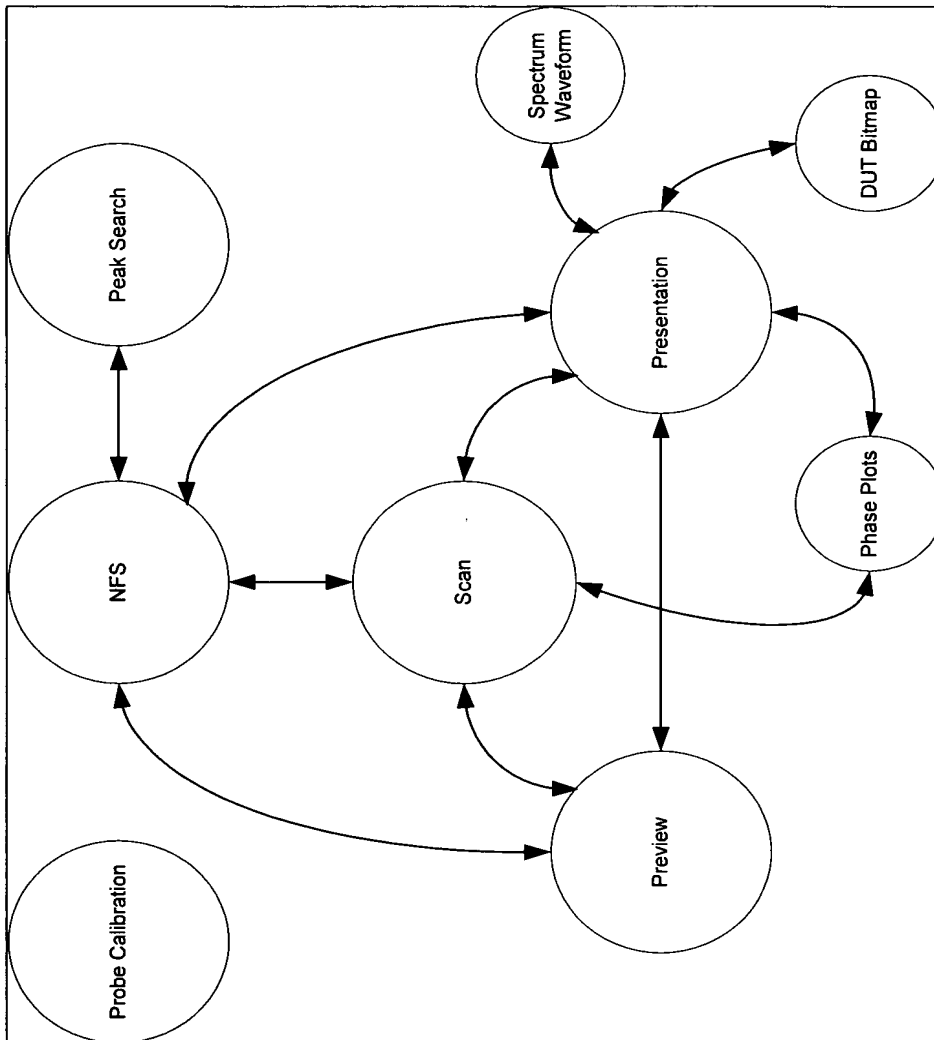


FIG. 41

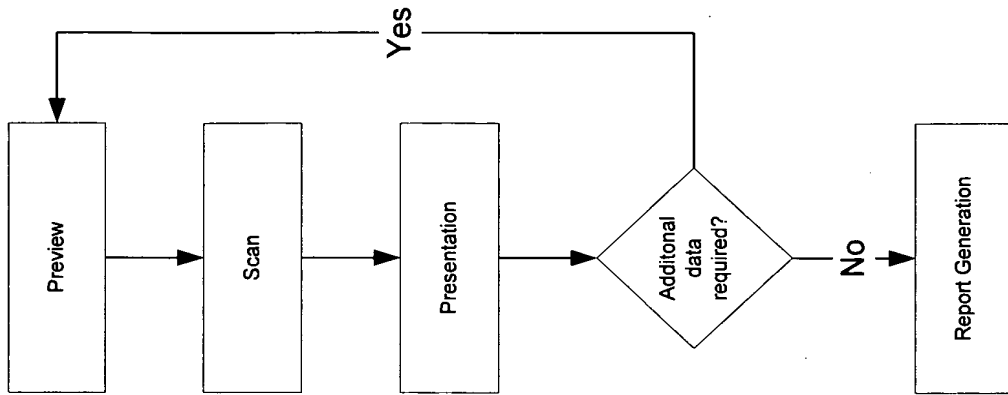


FIG. 42

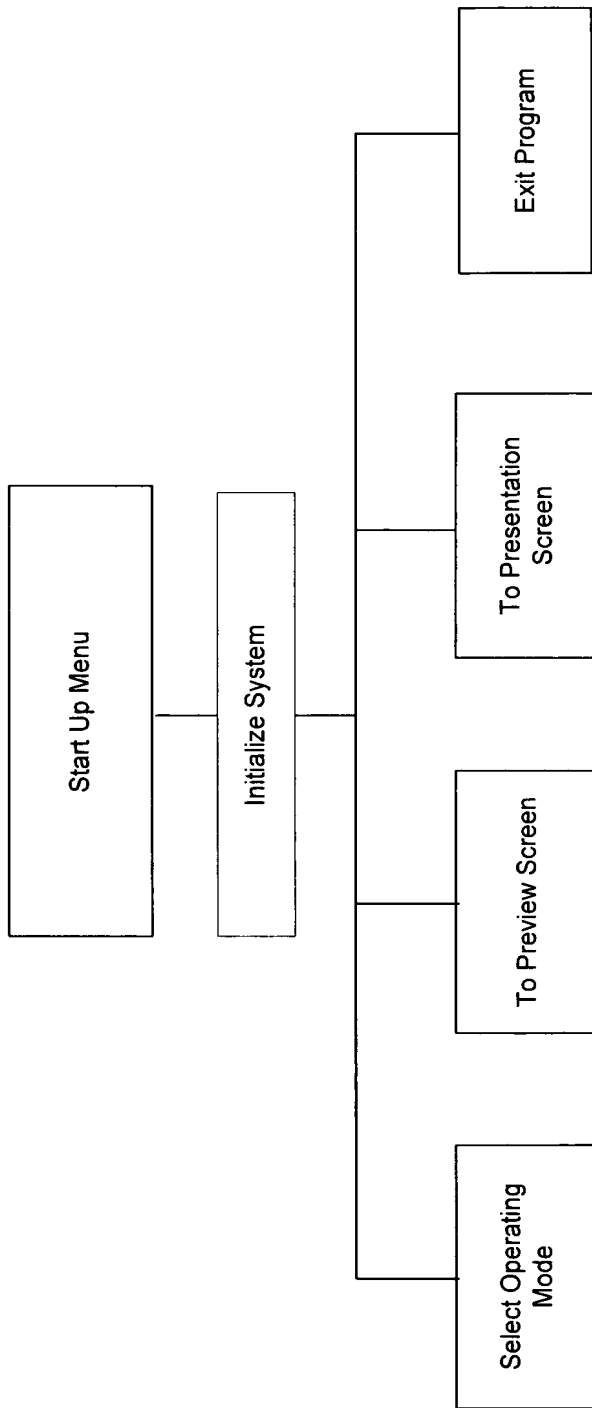


FIG. 43

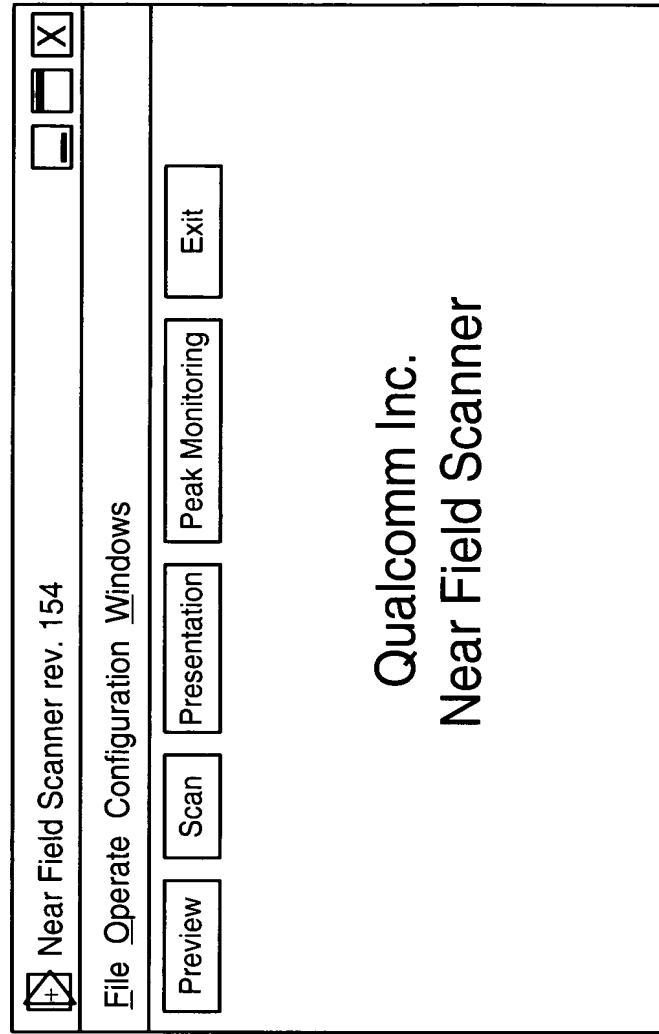


FIG. 44

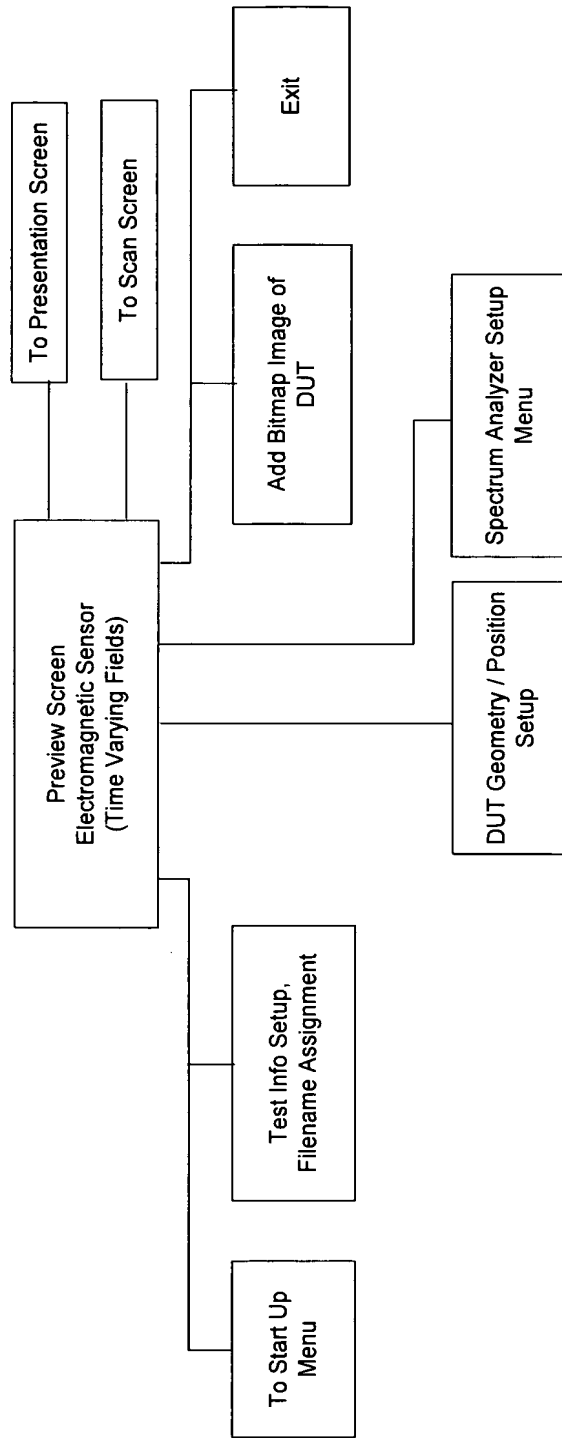


FIG. 45

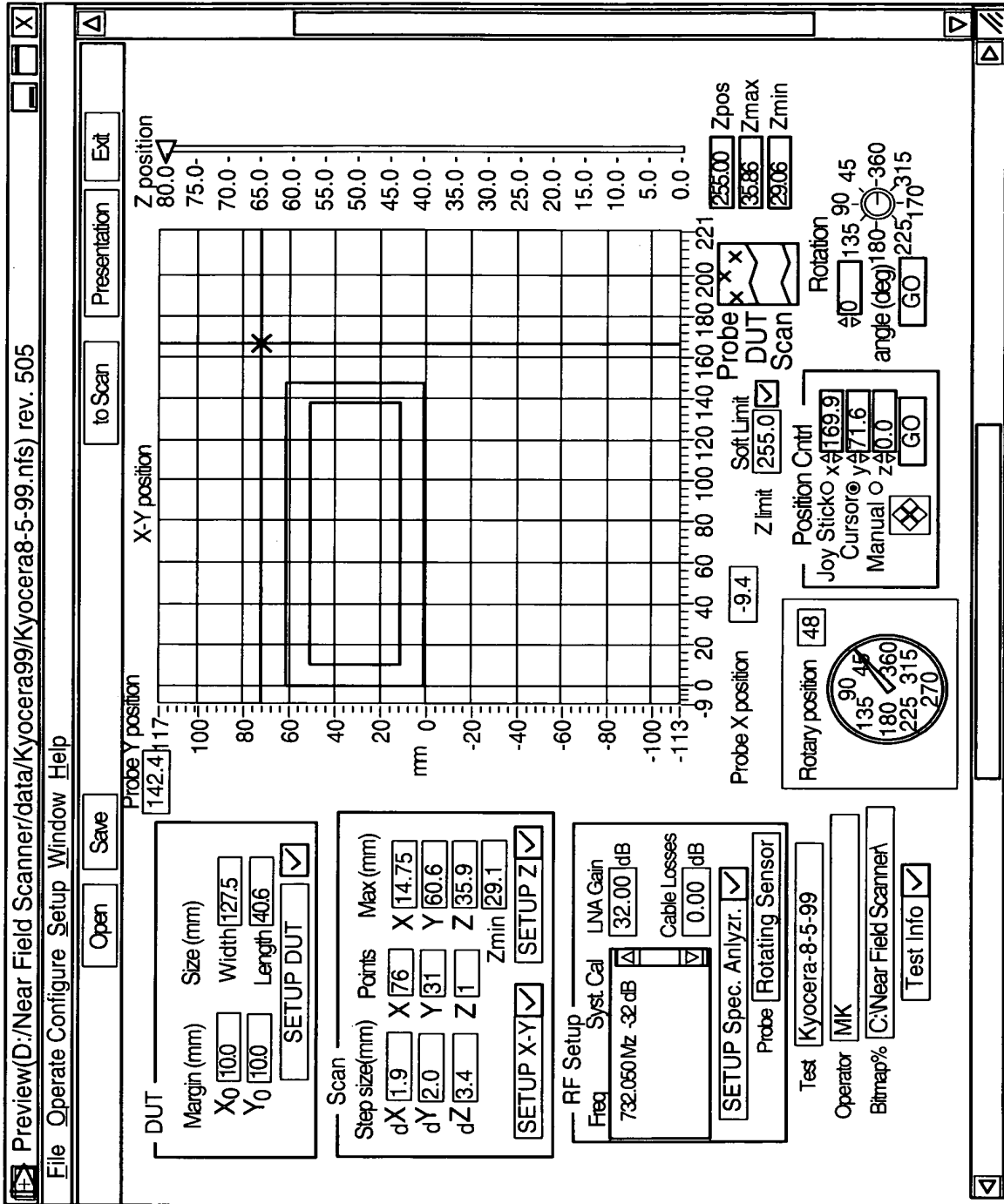


FIG. 46

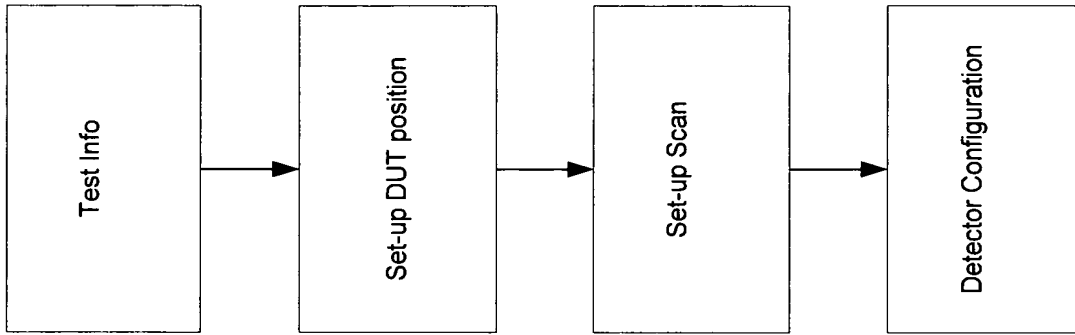


FIG. 47

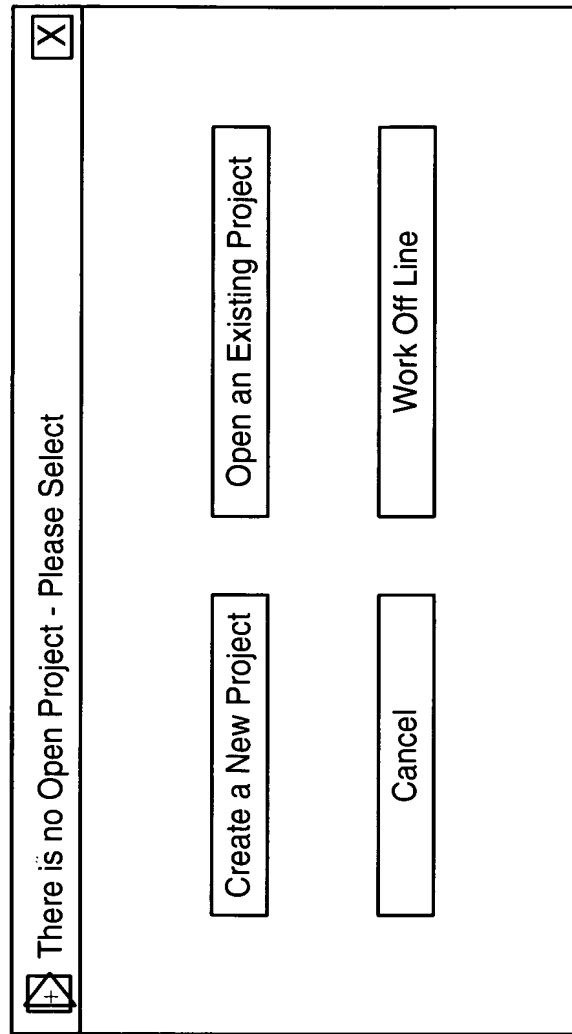


FIG. 48

+

Edit Probe Transfer Factor rev. 15

X

Probe Name

Ball-2

Units

dB uV/m

Probe correction equation

CF=

$$101.334846 - (0.198588186 * f) + (0.00048579 * f^2) - (5.7022E-7 * f^3) + (3.0722E-10)$$

Cancel

OK

FIG. 49

X

Overscan Range

Set X-Y overscan area

Left (X)

Δ

▽

2.0

Left

Right (X)

Δ

▽

2.0

Right

Top (Y)

Δ

▽

2.0

Top

Bottom (Y)

Δ

▽

2.0

Bottom

DUT

Link
☐

X Increment

Δ

▽

0.2

Y Increment

Δ

▽

0.2

Link Incr
☐

OK

Cancel

FIG. 50

Z Axes Parameters

Enter Desired Z Axes Parameters:

Maximum Height above DUT (mm)

20.00

Minimum Height above DUT (mm)

6.32

Number of Planes

3

Offset between Limit Switch Position & DUT (mm)

2.00

Use Limit Switch

mm per Planes

6.84

Cancel

OK

Maximum Height

Minimum Height

Offset

Limit Δ

Switch

DUT

FIG. 51

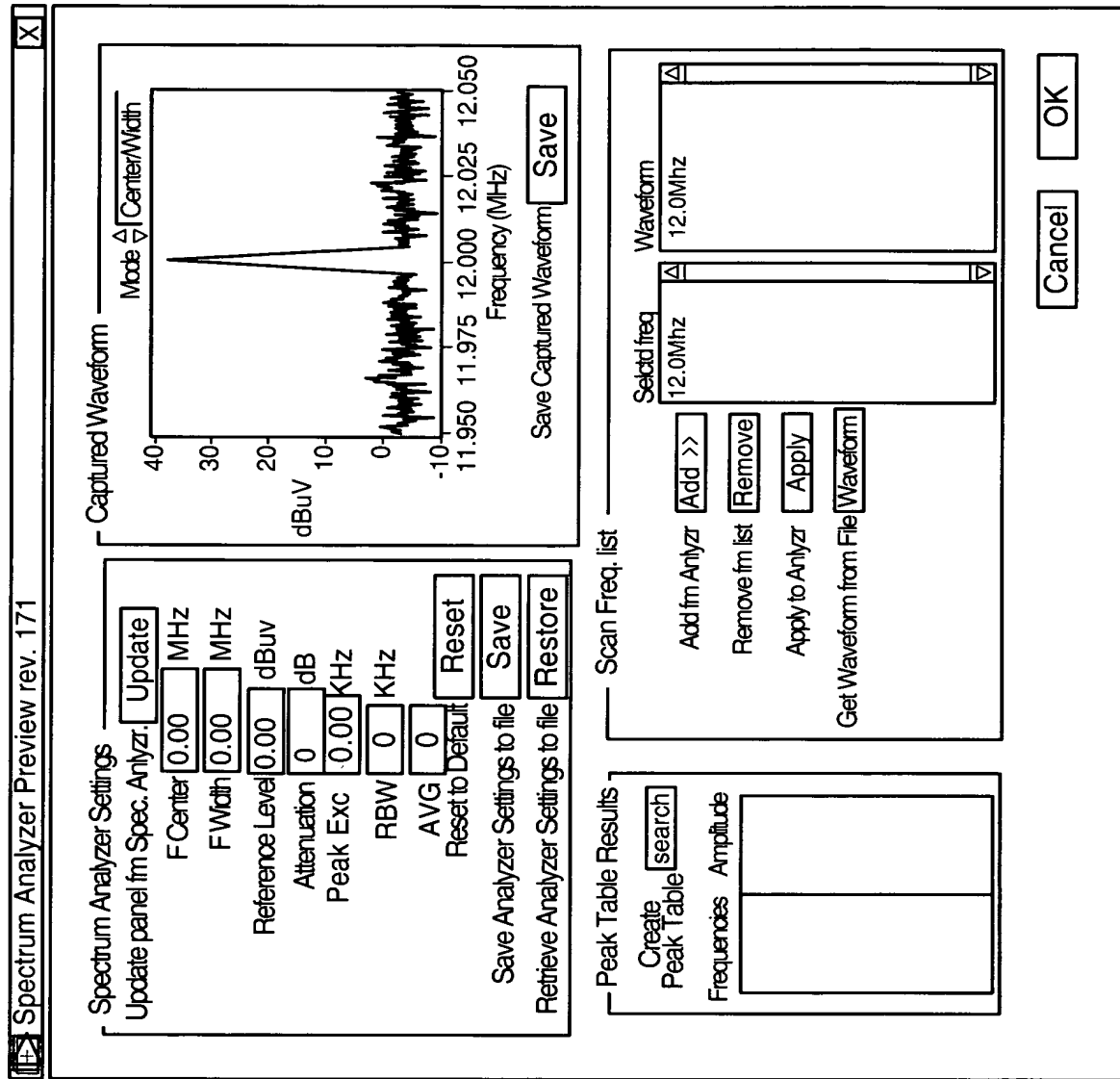


FIG. 52

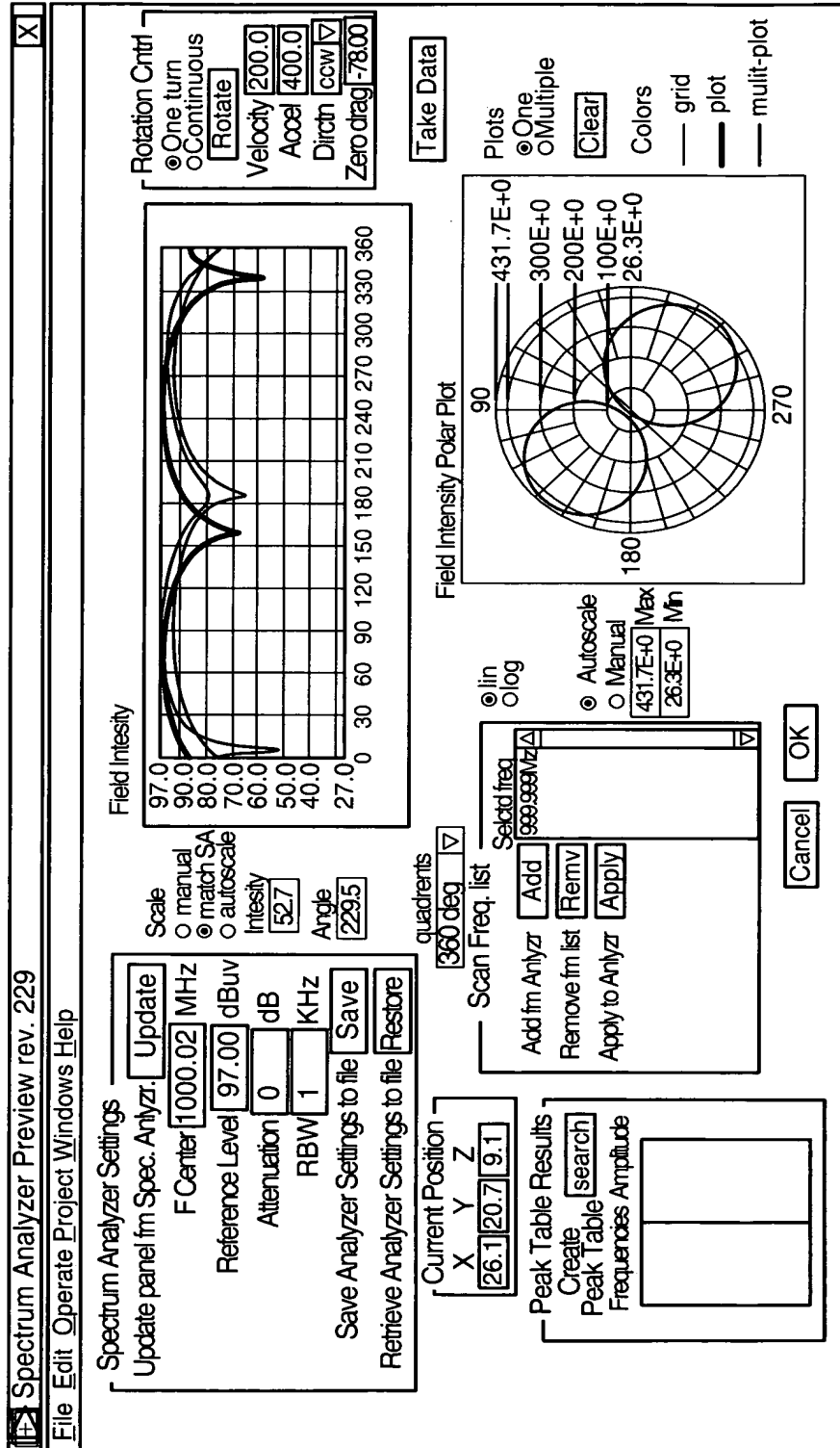


FIG. 53

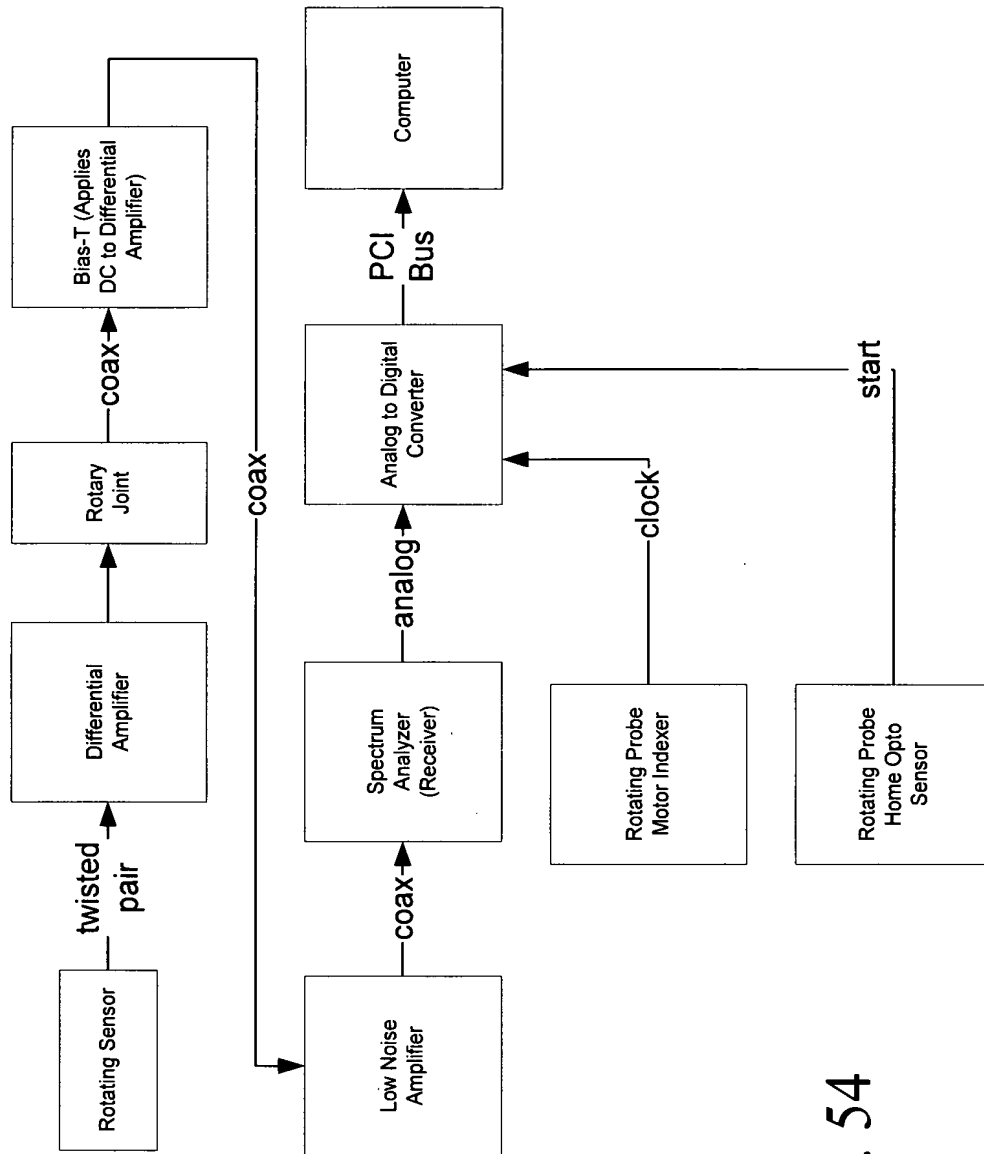


FIG. 54

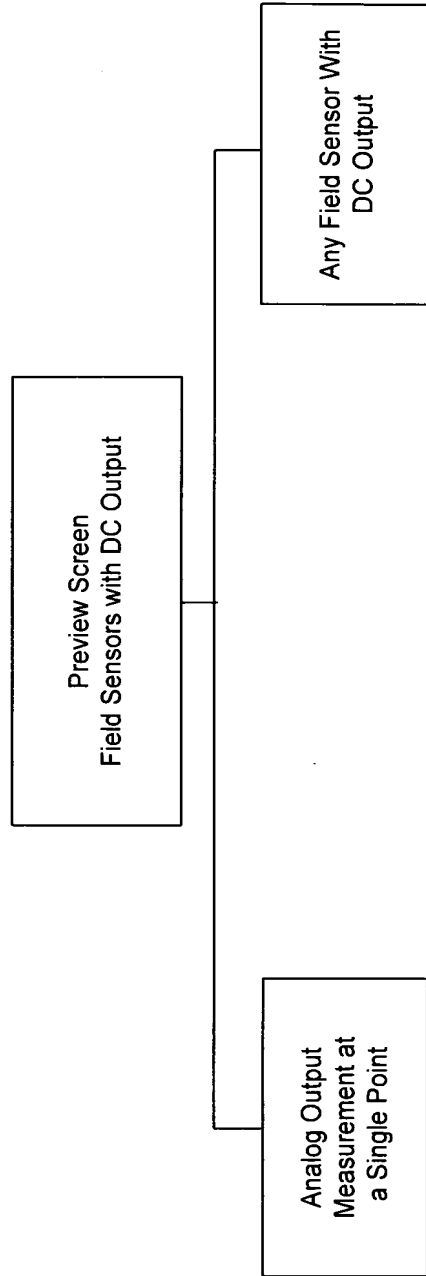


FIG. 55

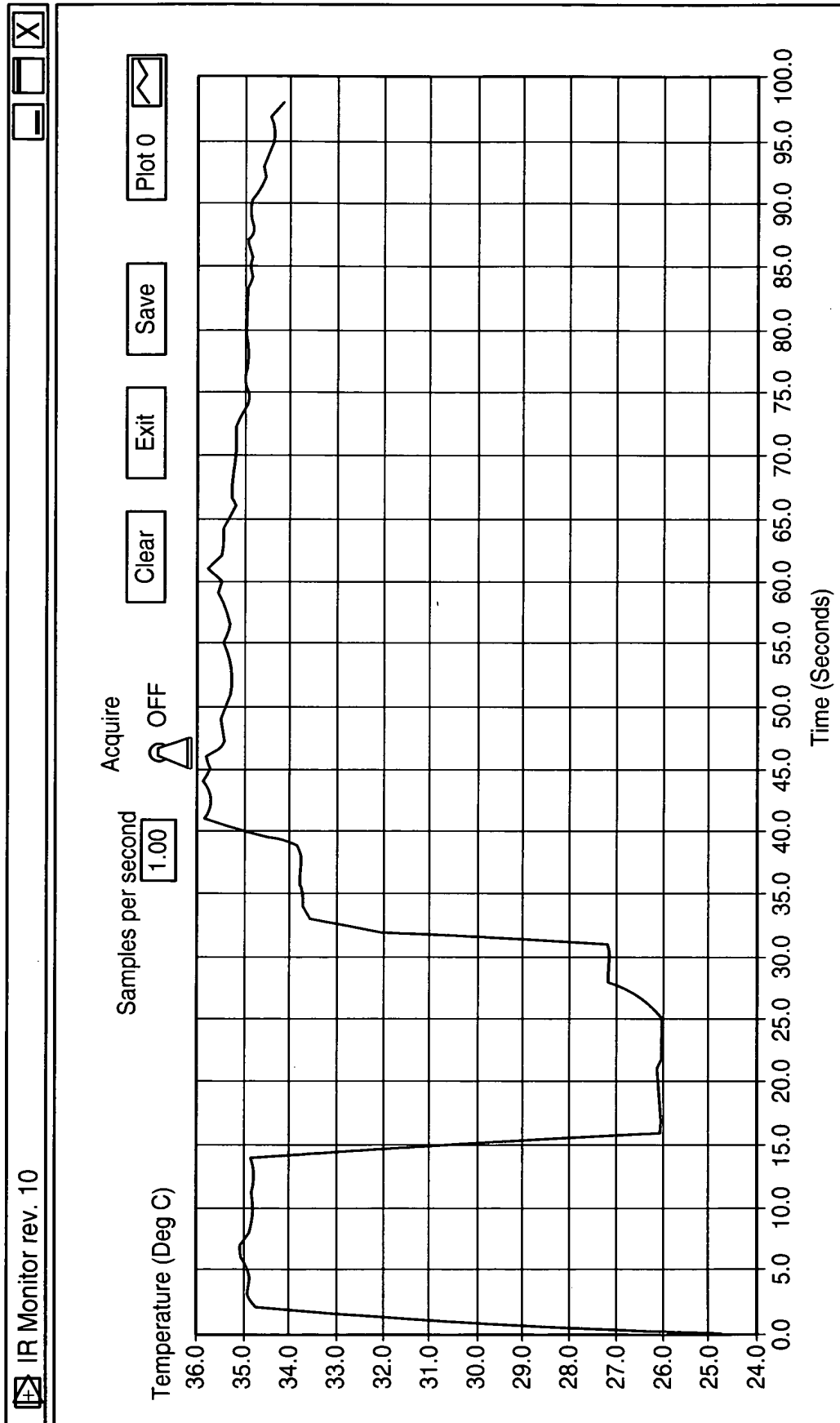


FIG. 56

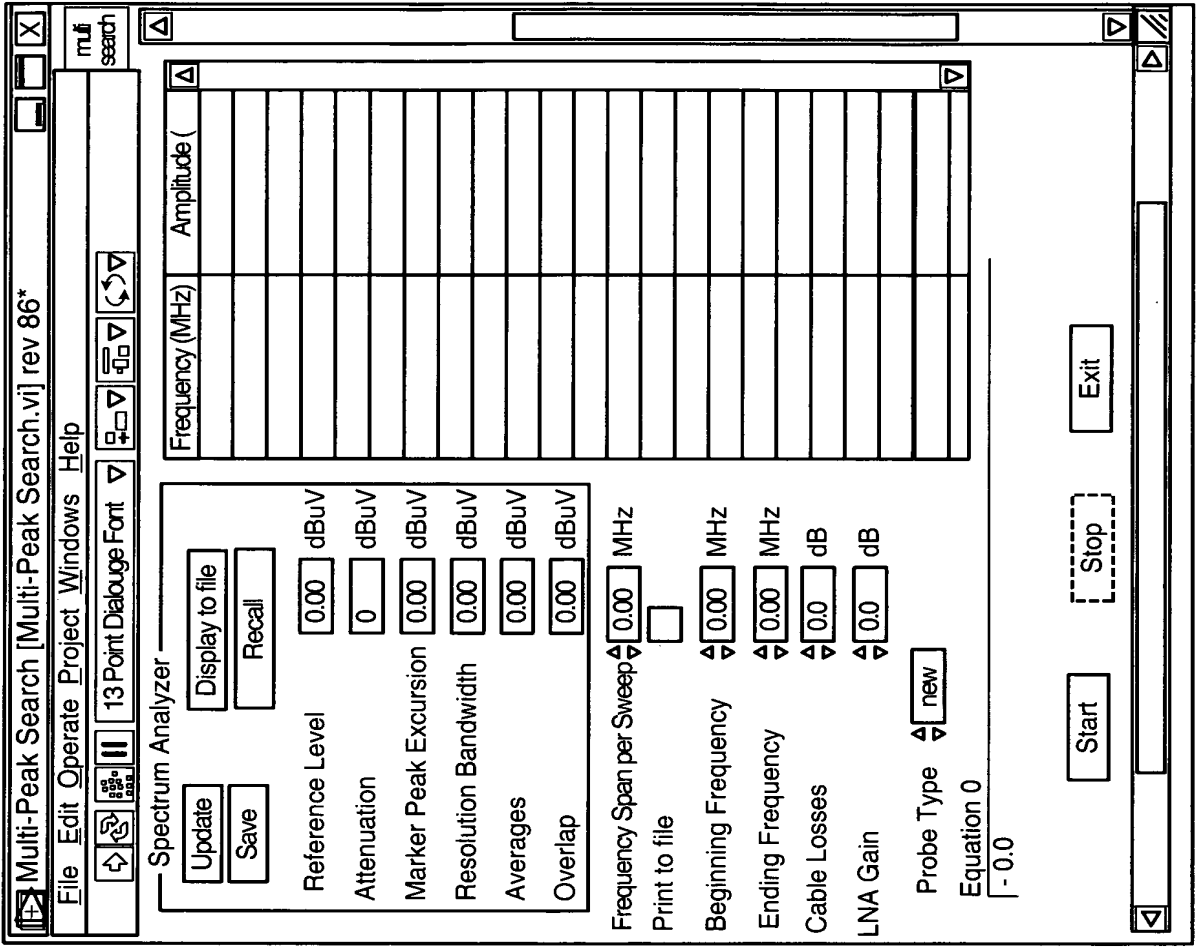


FIG. 57

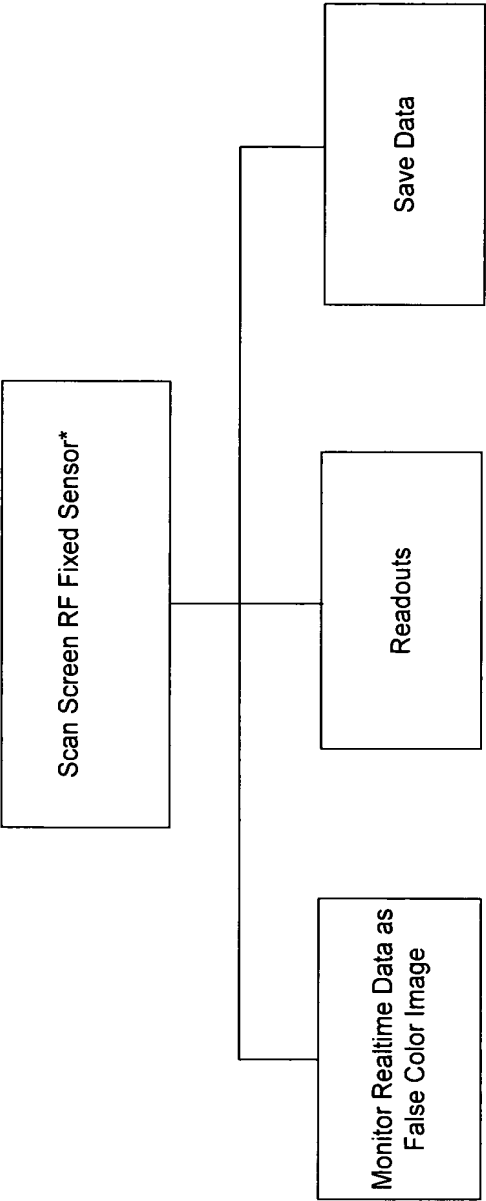


FIG. 58

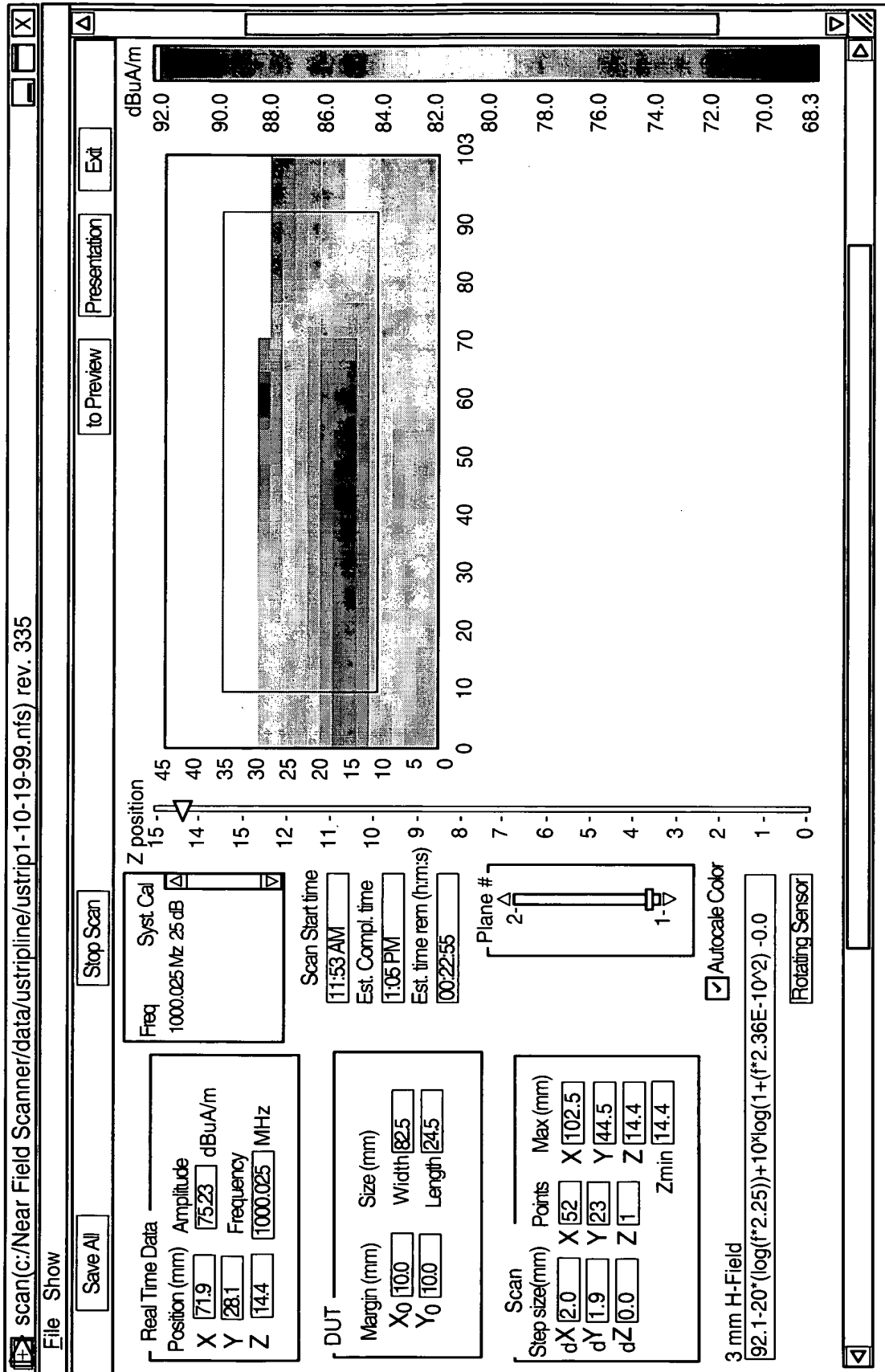


FIG. 59

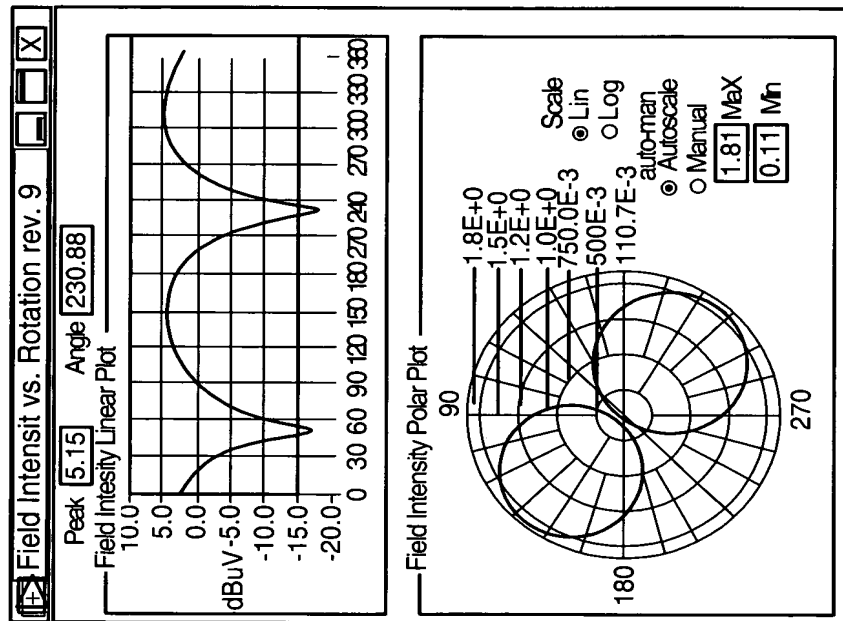


FIG. 60

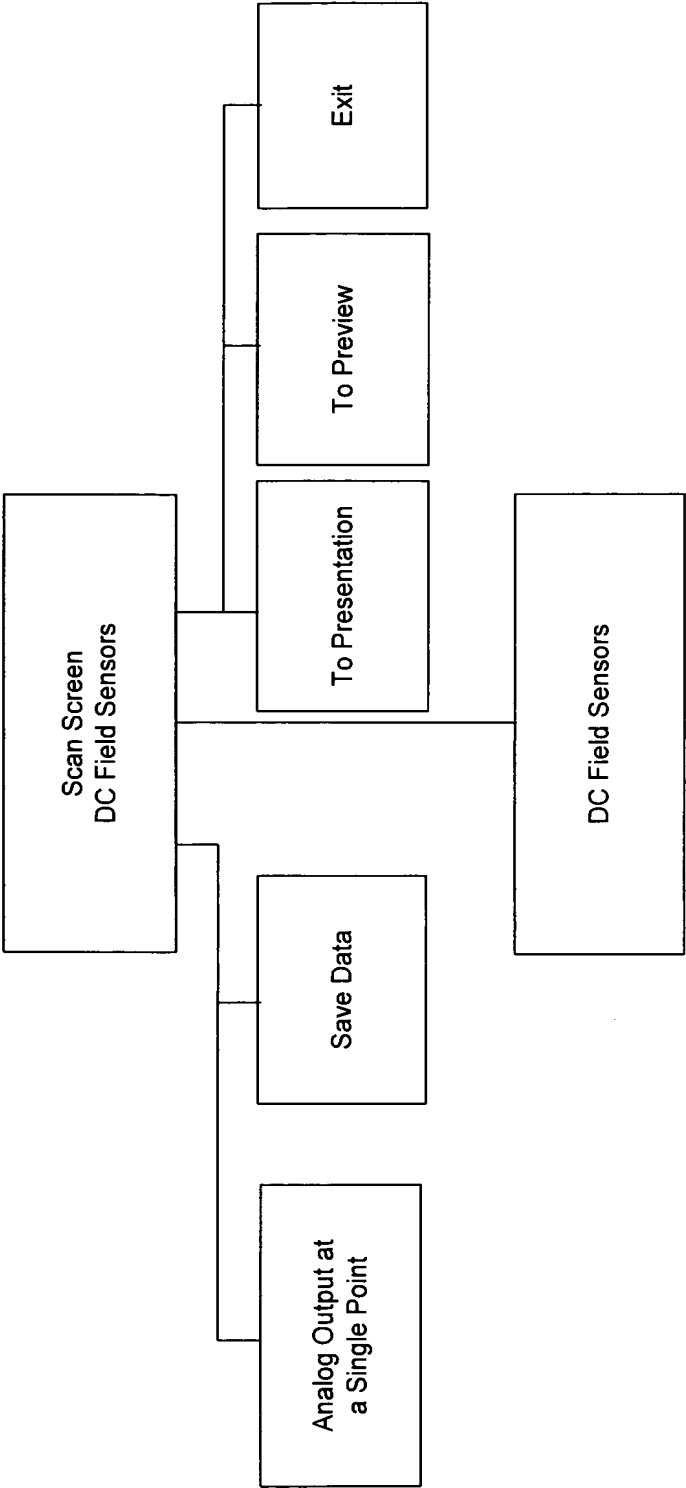


FIG. 61

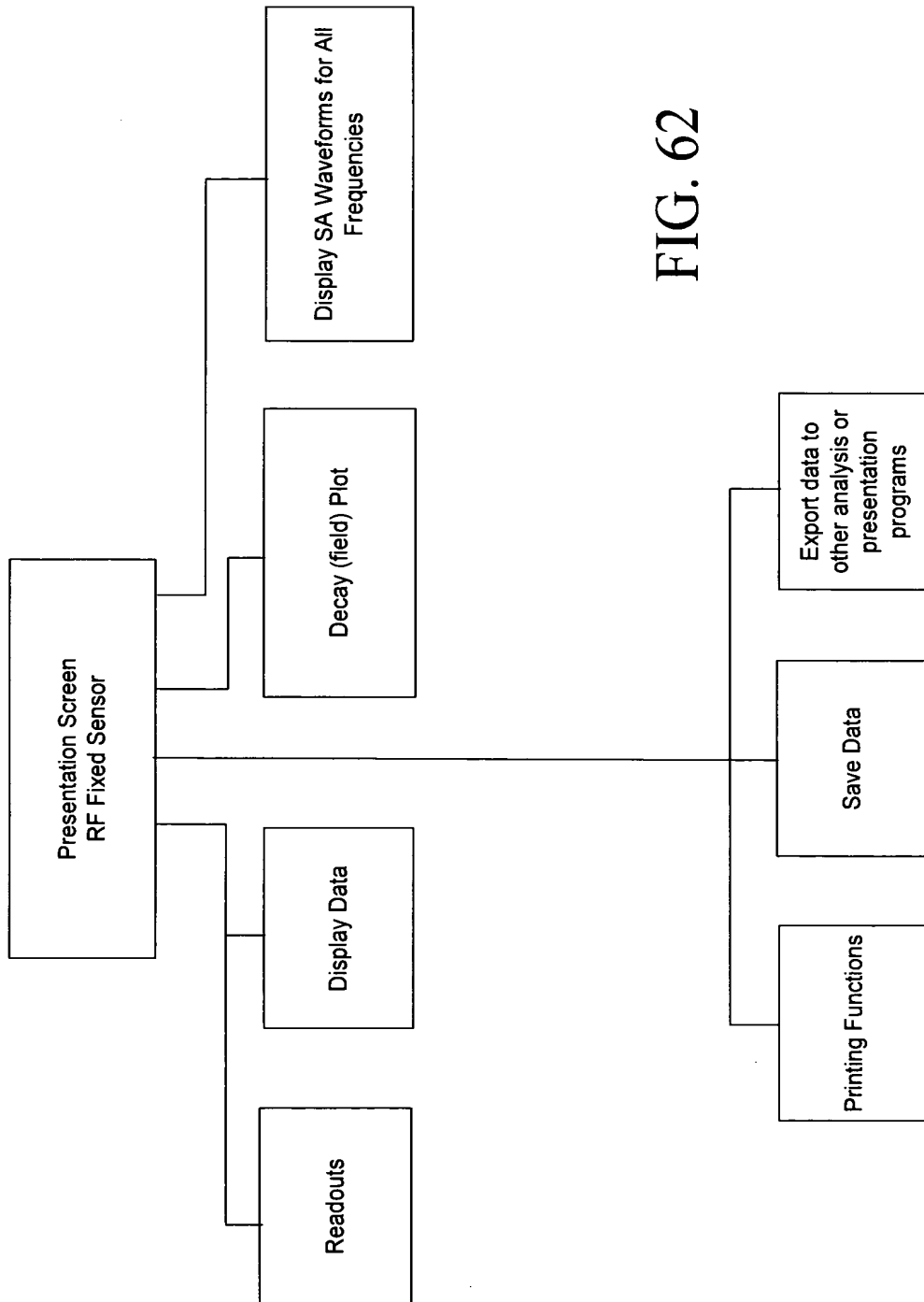


FIG. 62

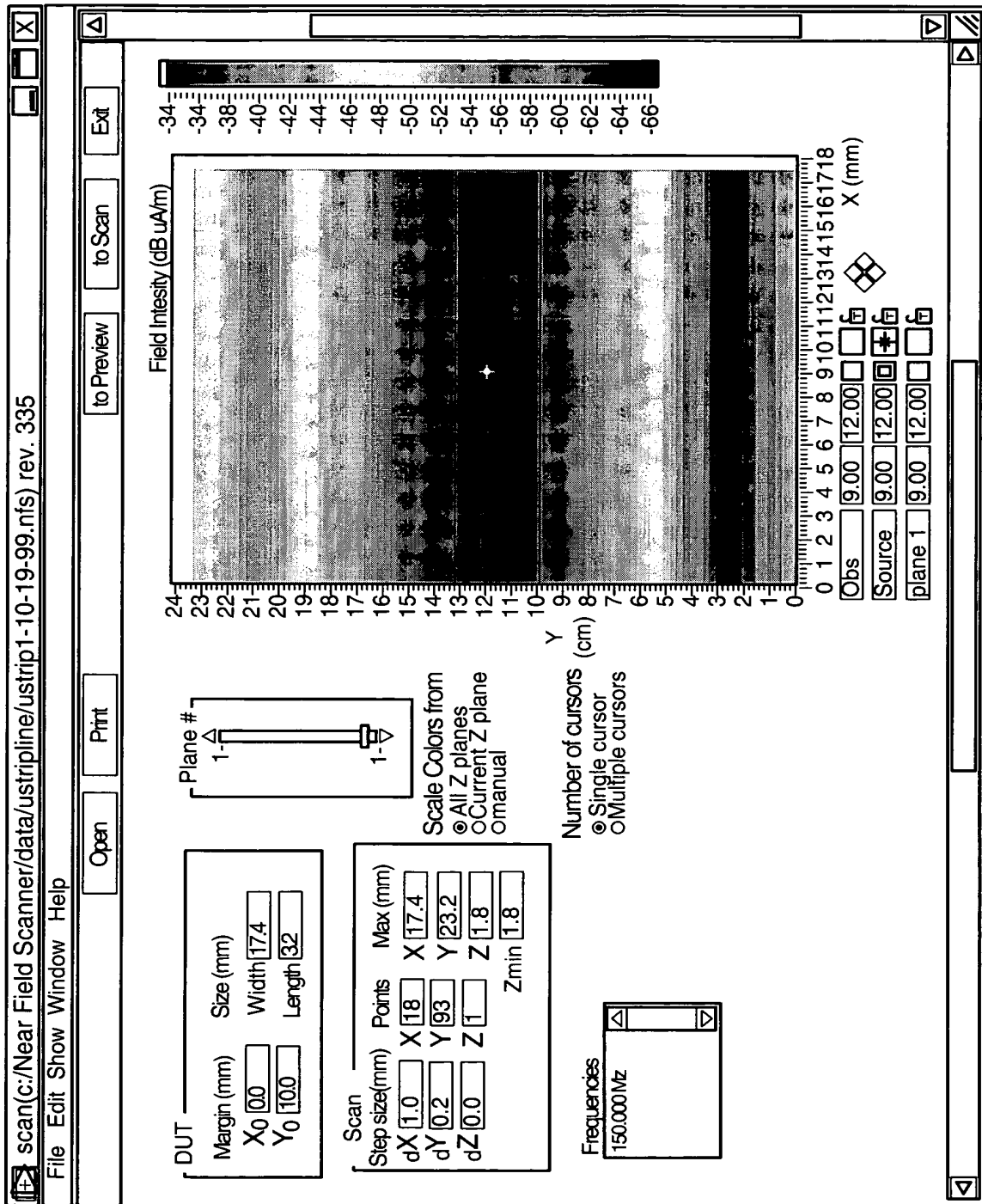


FIG. 63

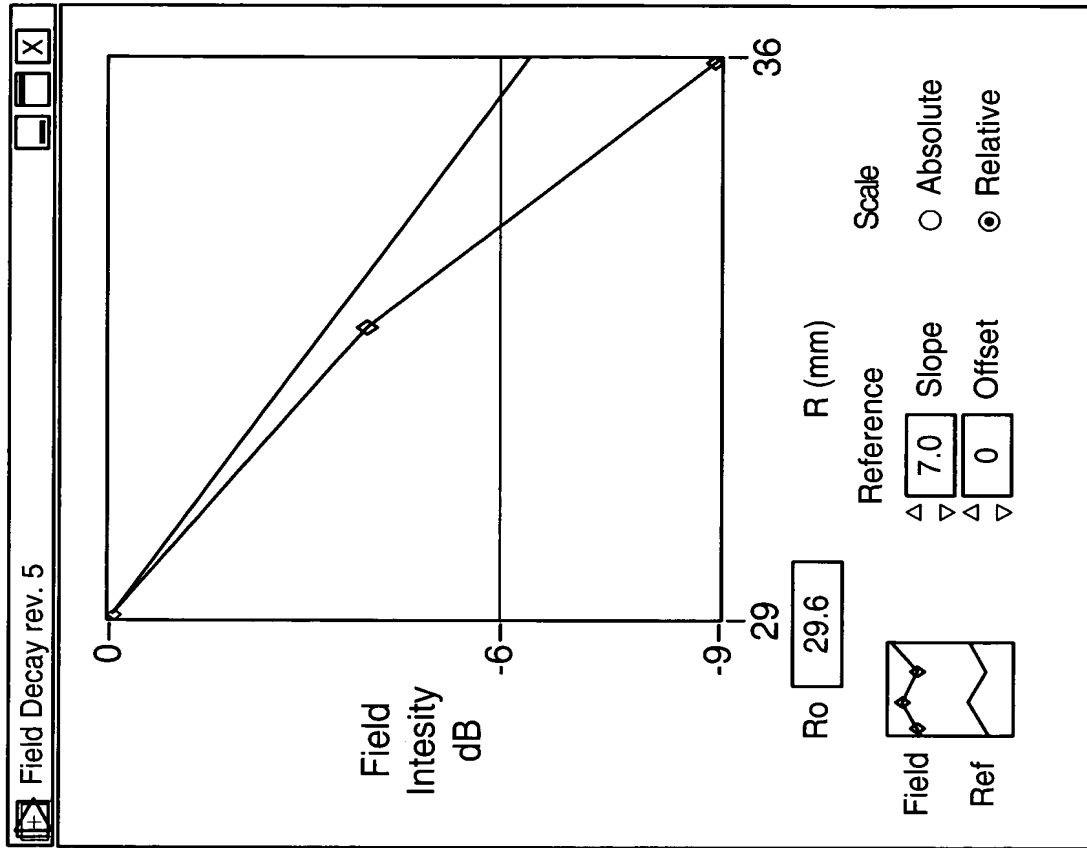


FIG. 64

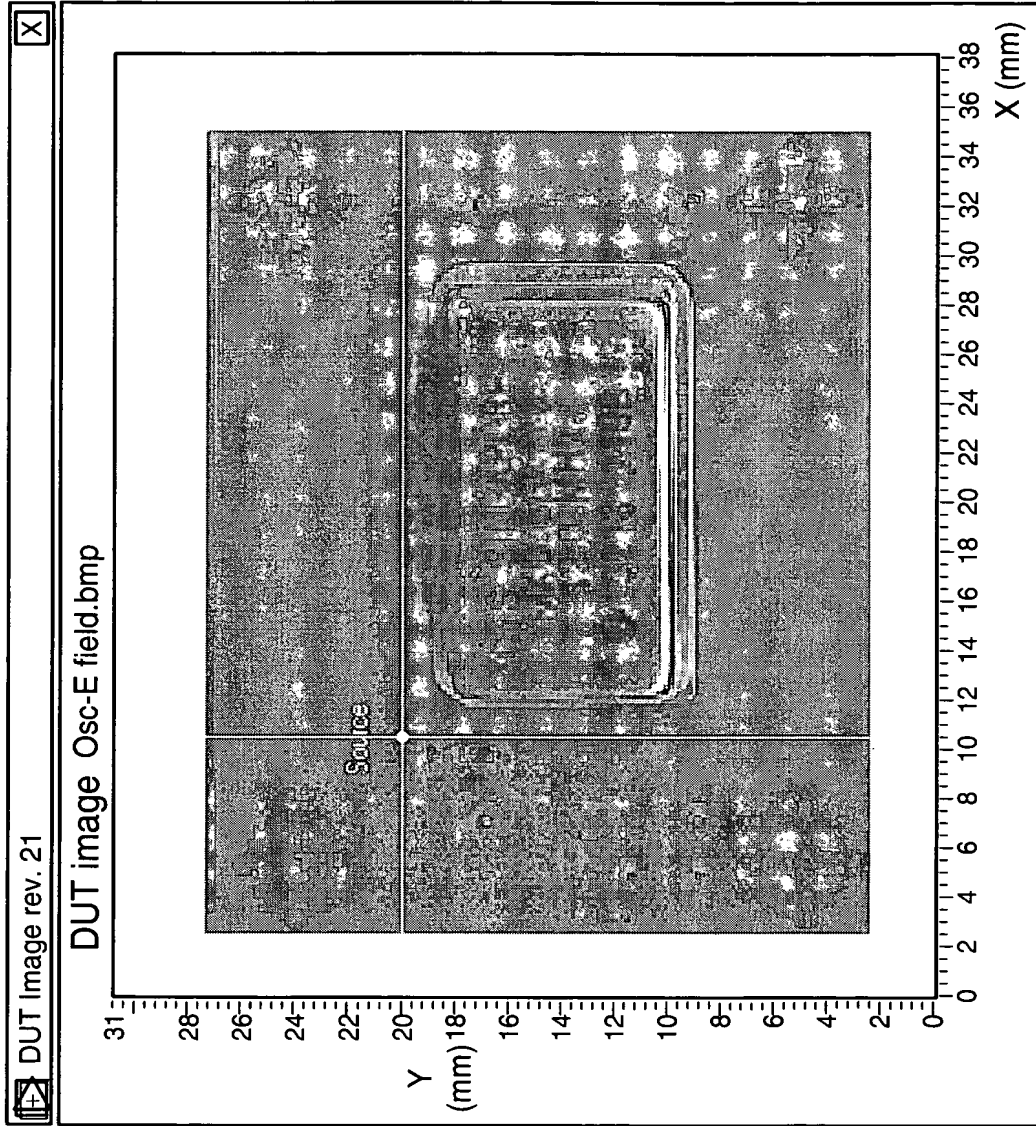


FIG. 65

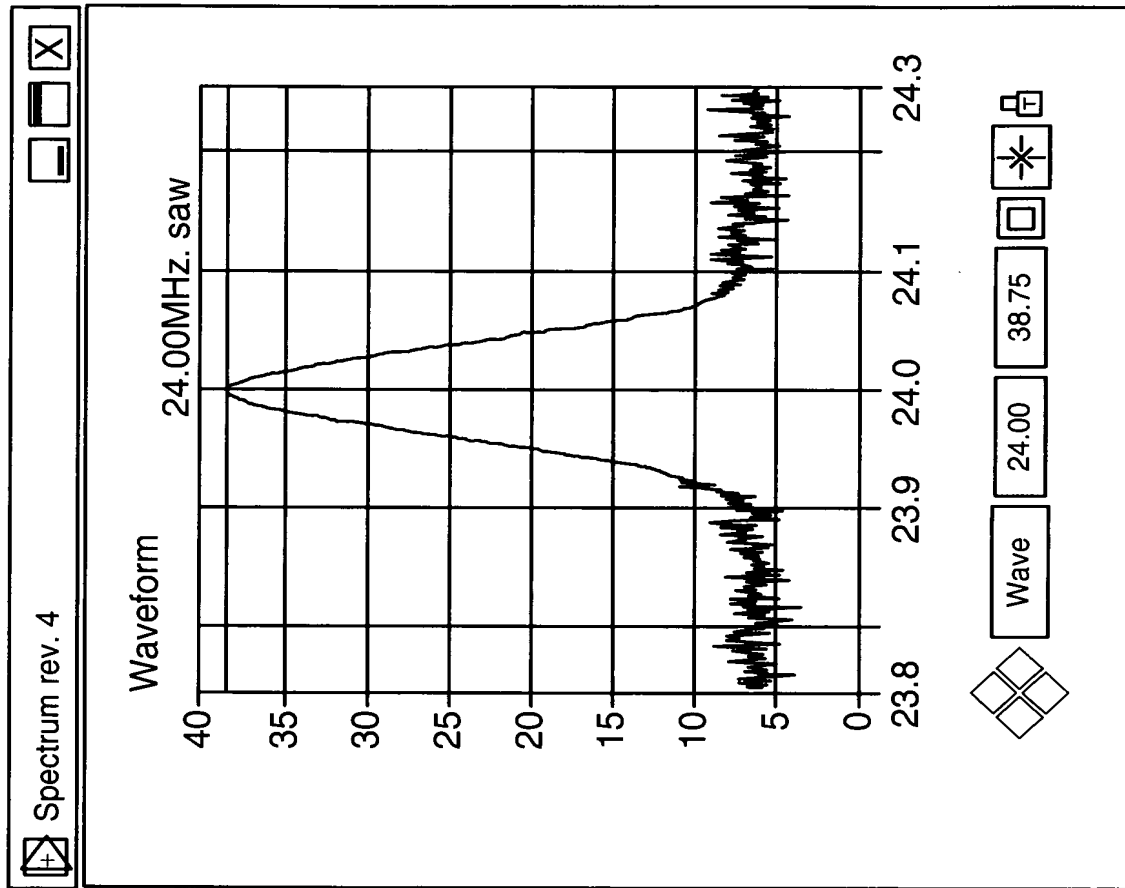


FIG. 66

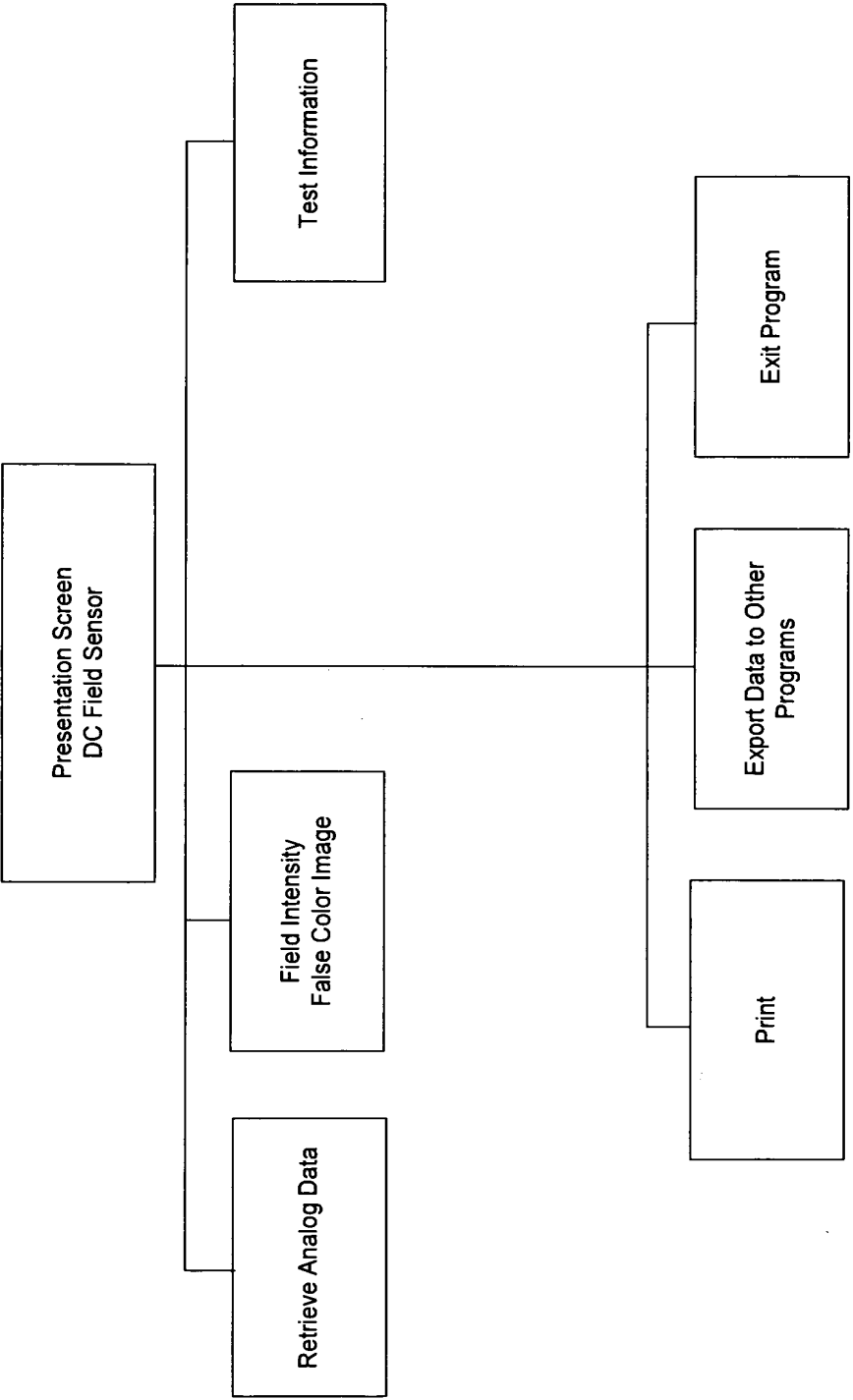


FIG. 67

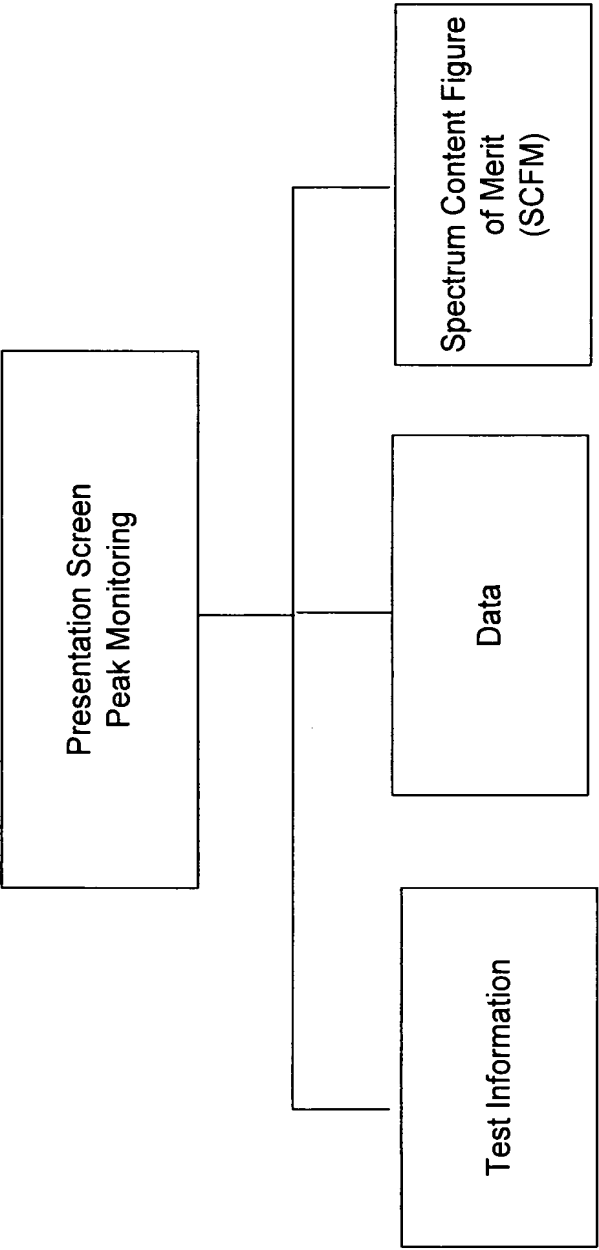


FIG. 68

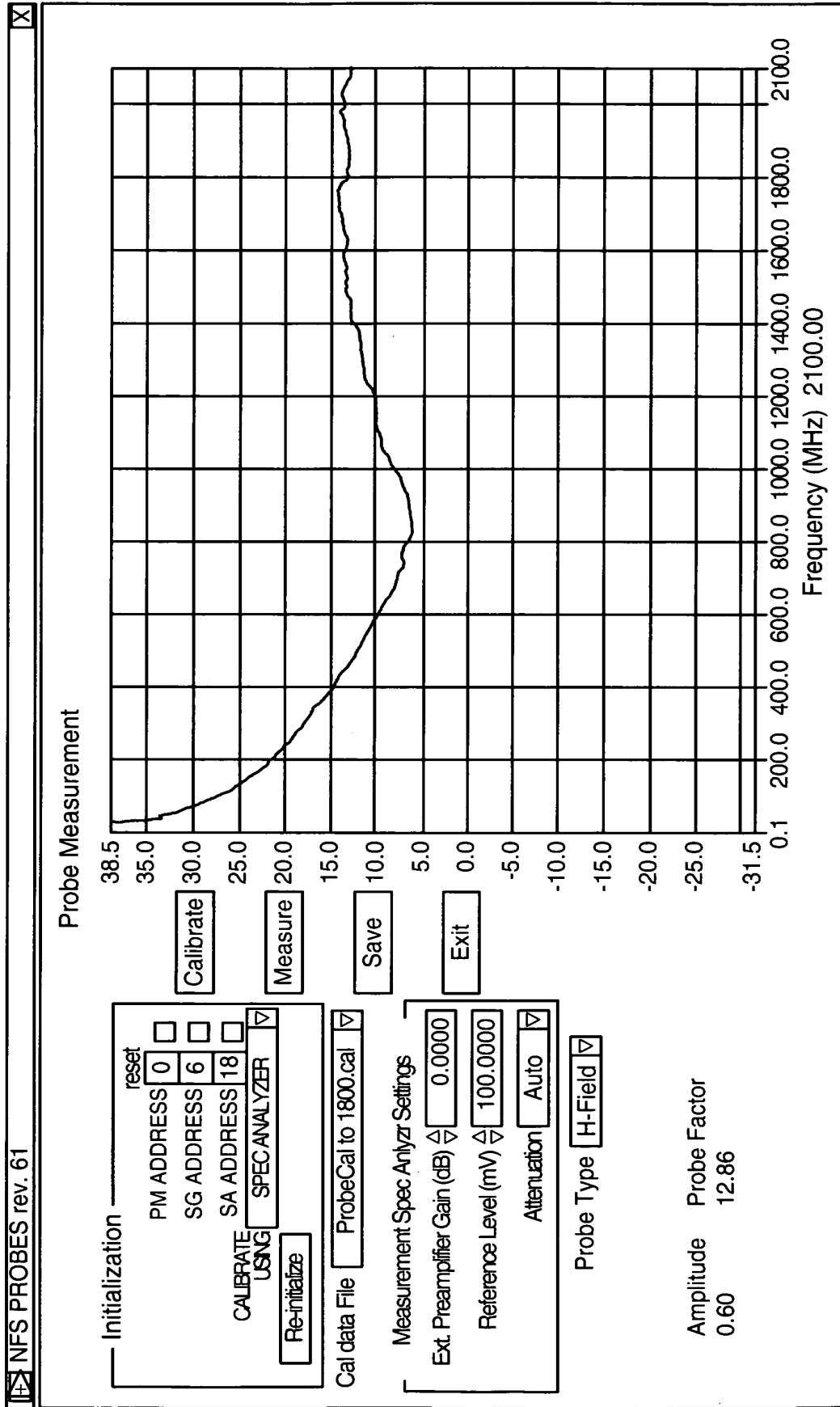


FIG. 69

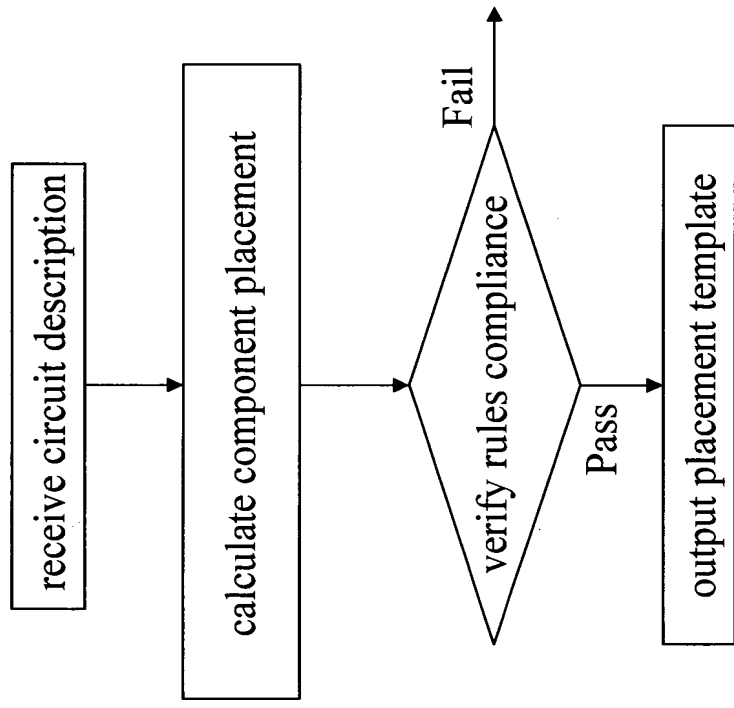


FIG. 70 (RELATED ART)

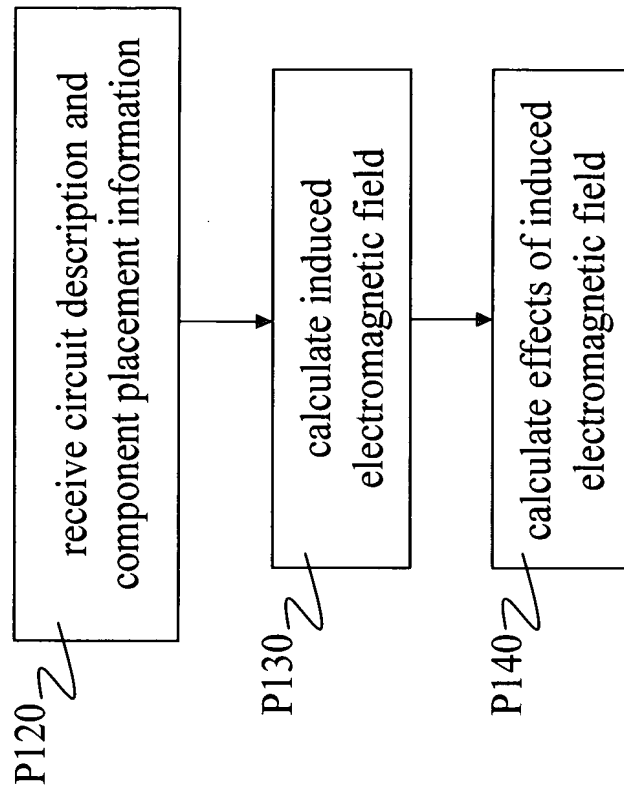


FIG. 71

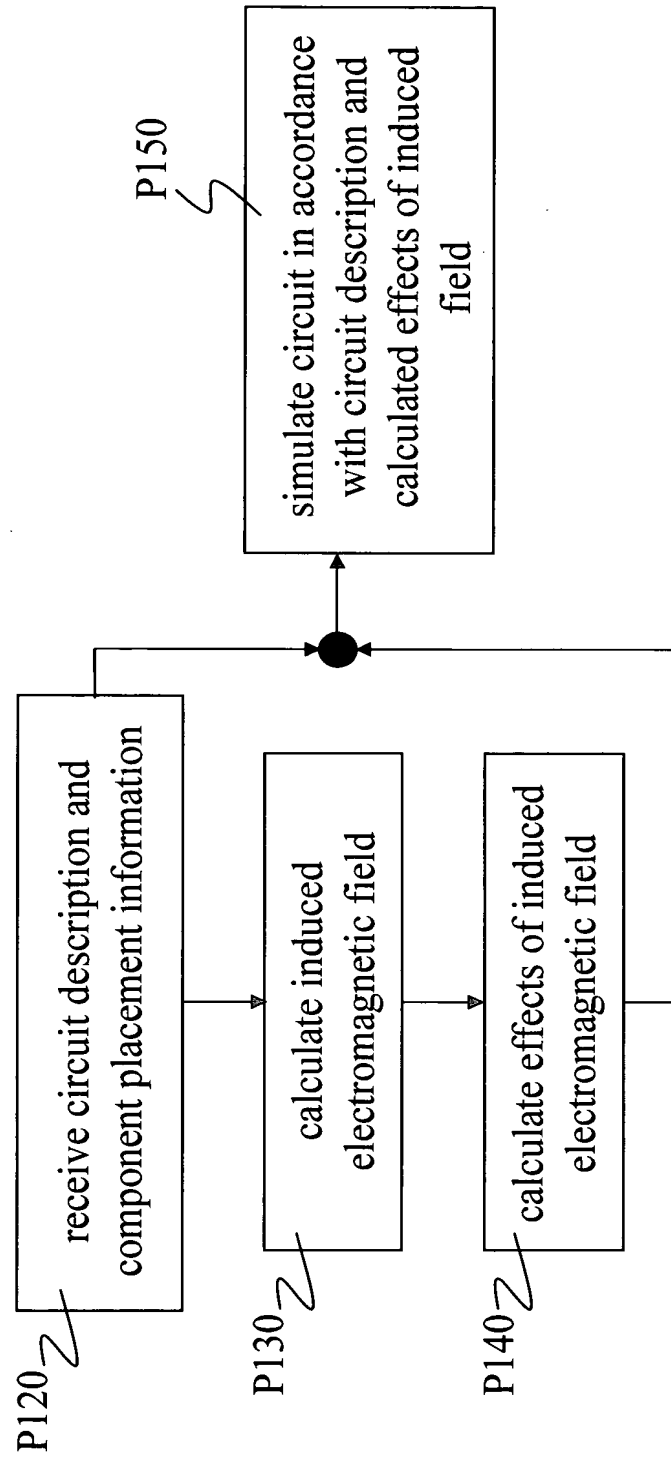


FIG. 72

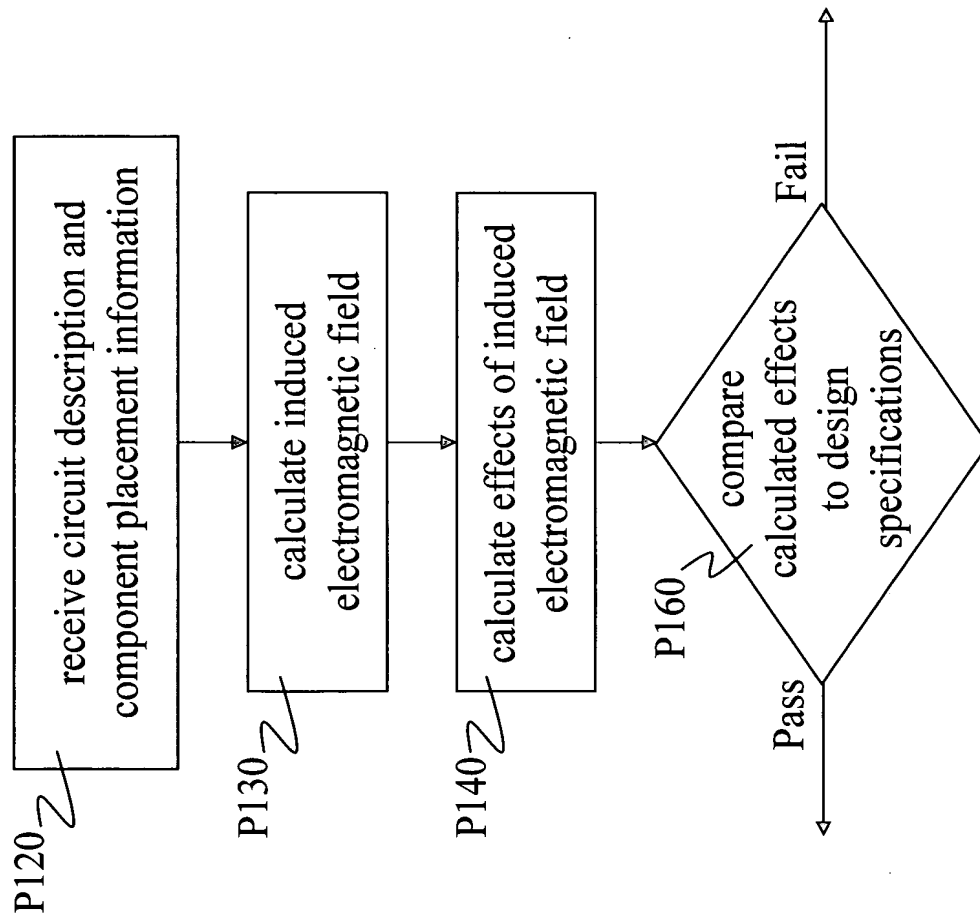


FIG. 73

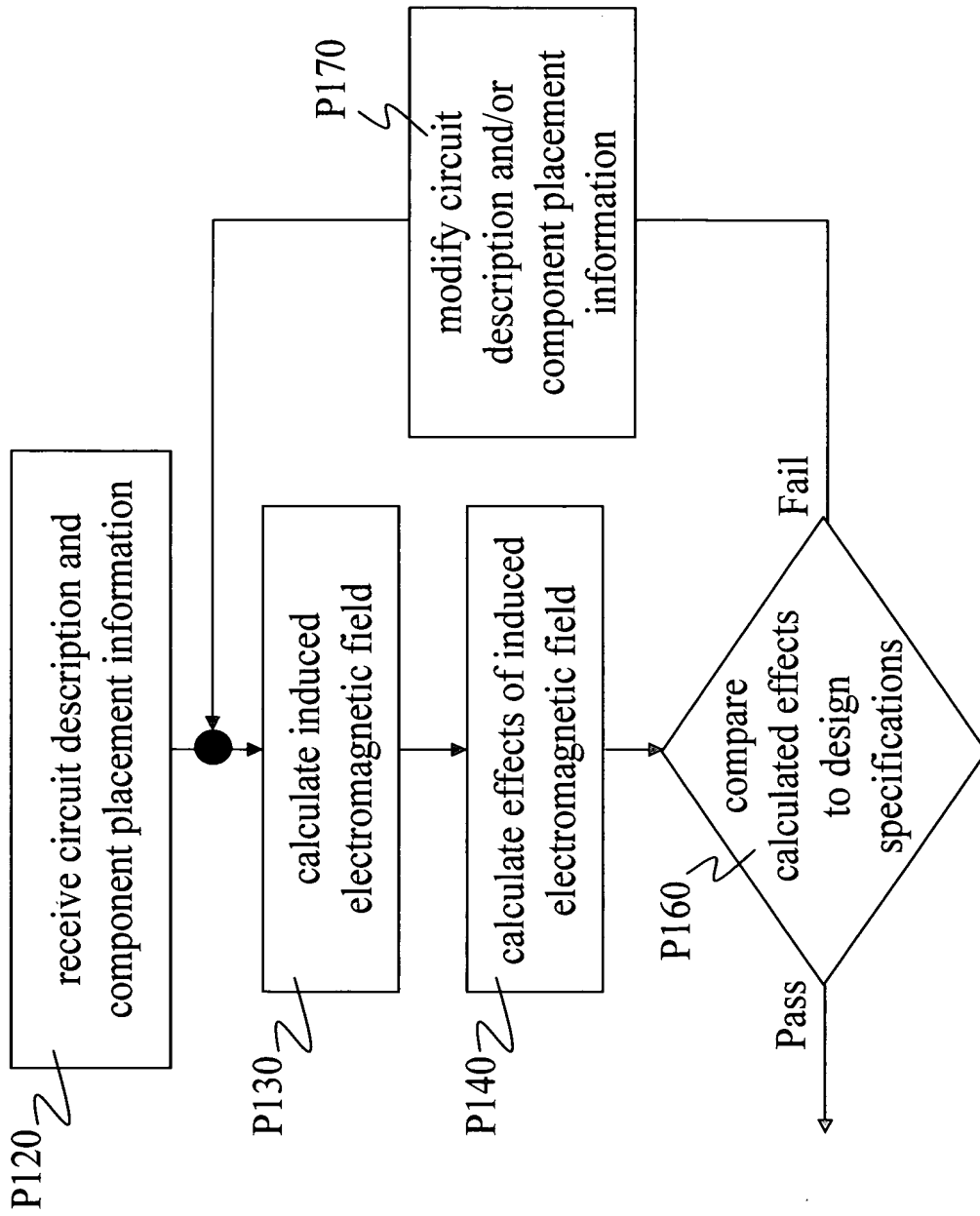


FIG. 74

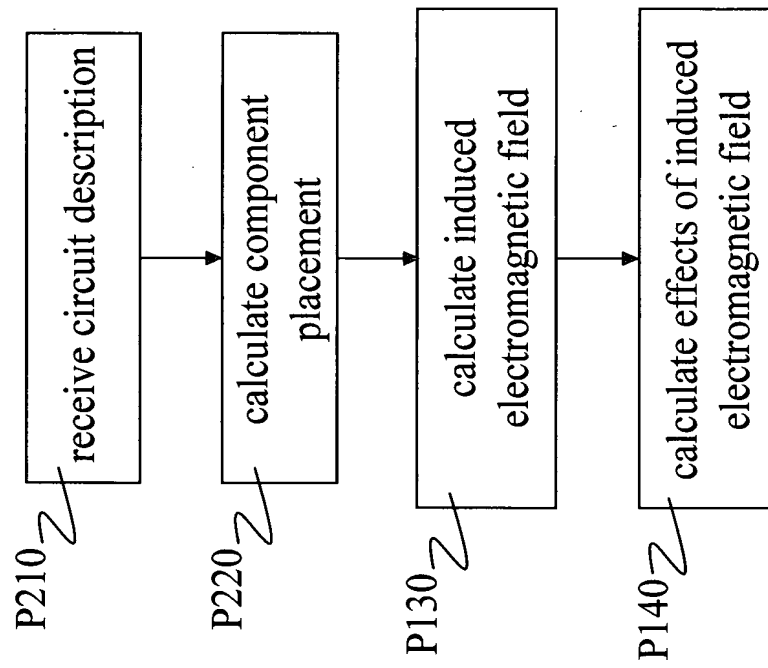


FIG. 75

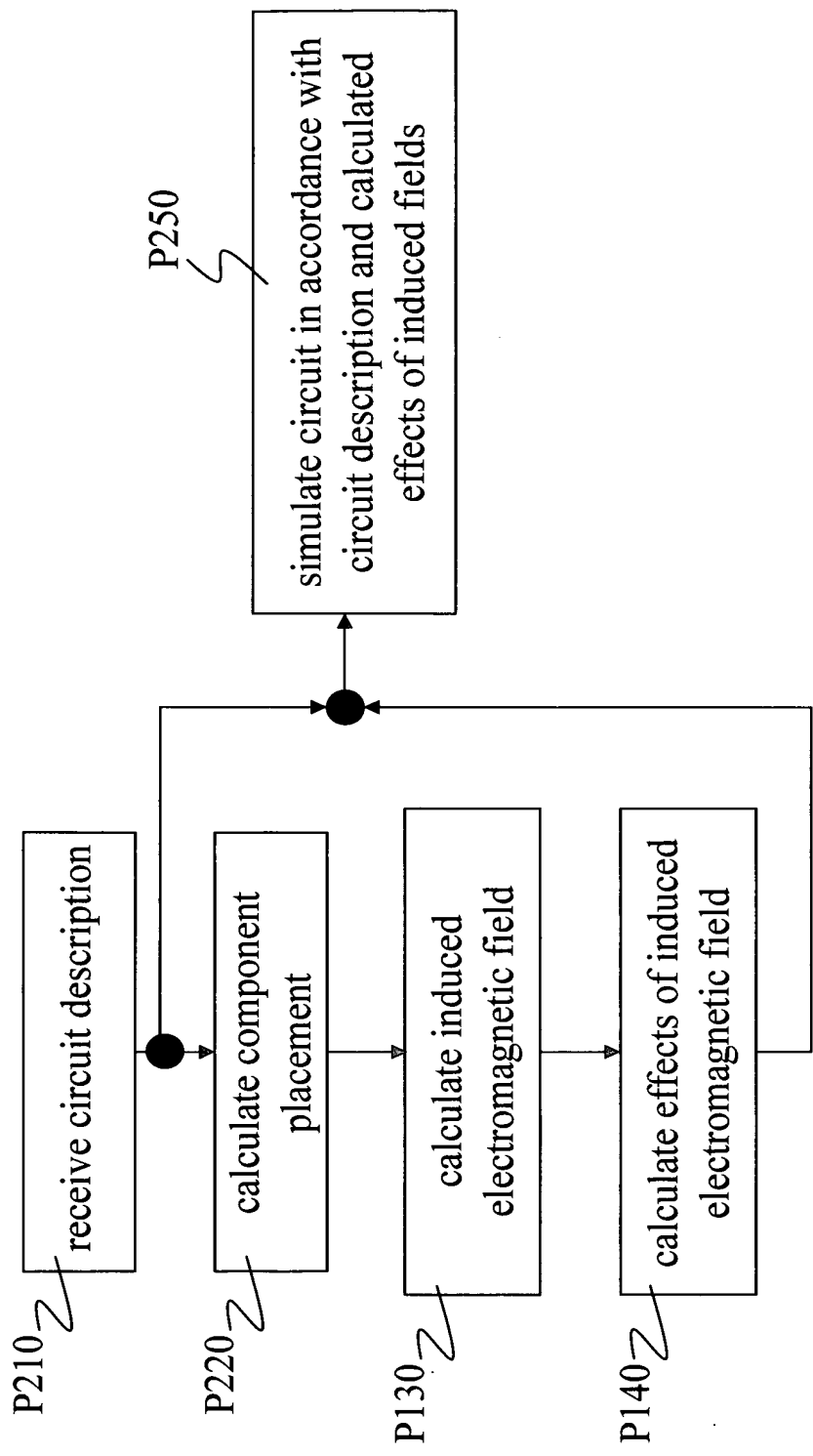


FIG. 76

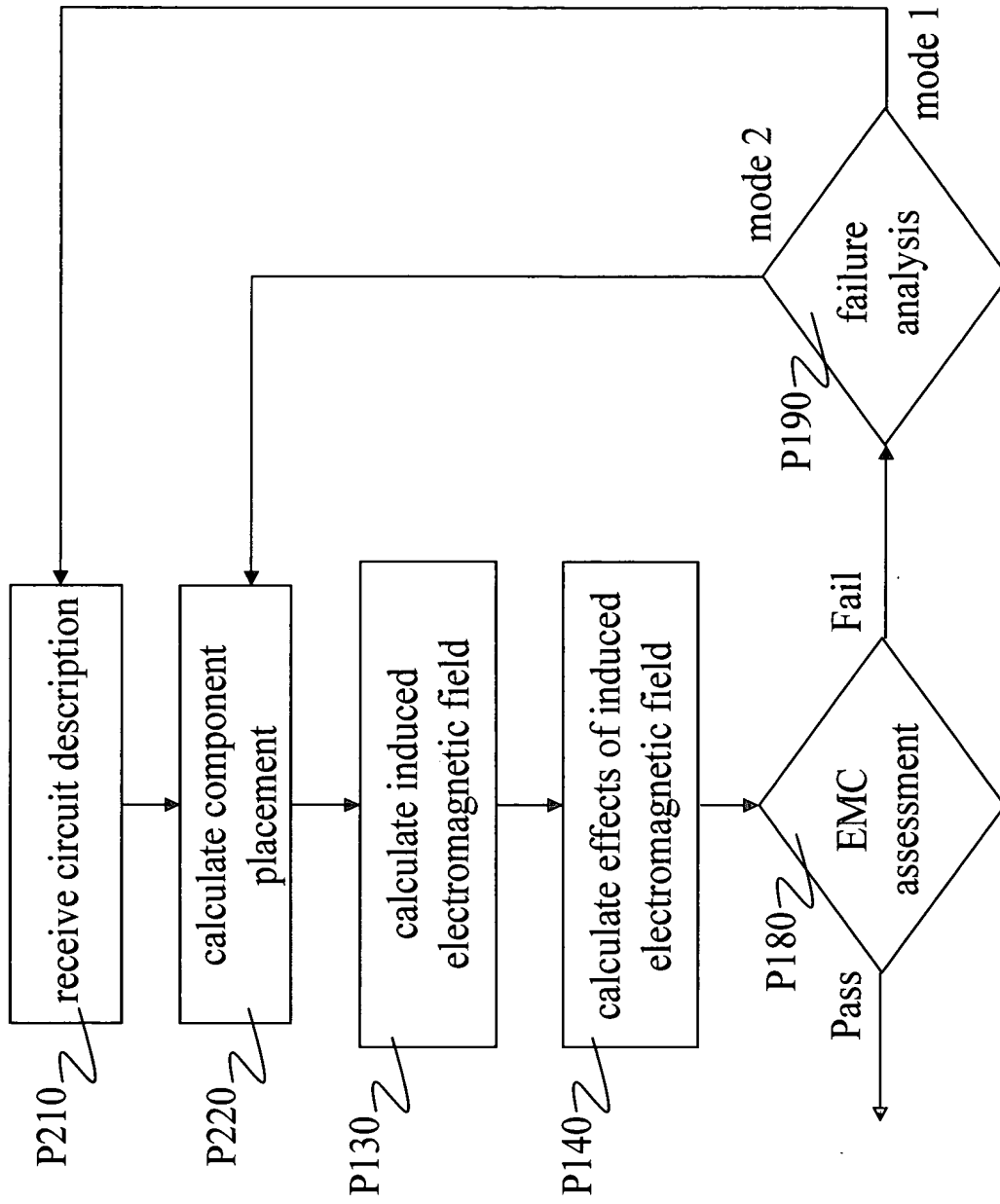


FIG. 77

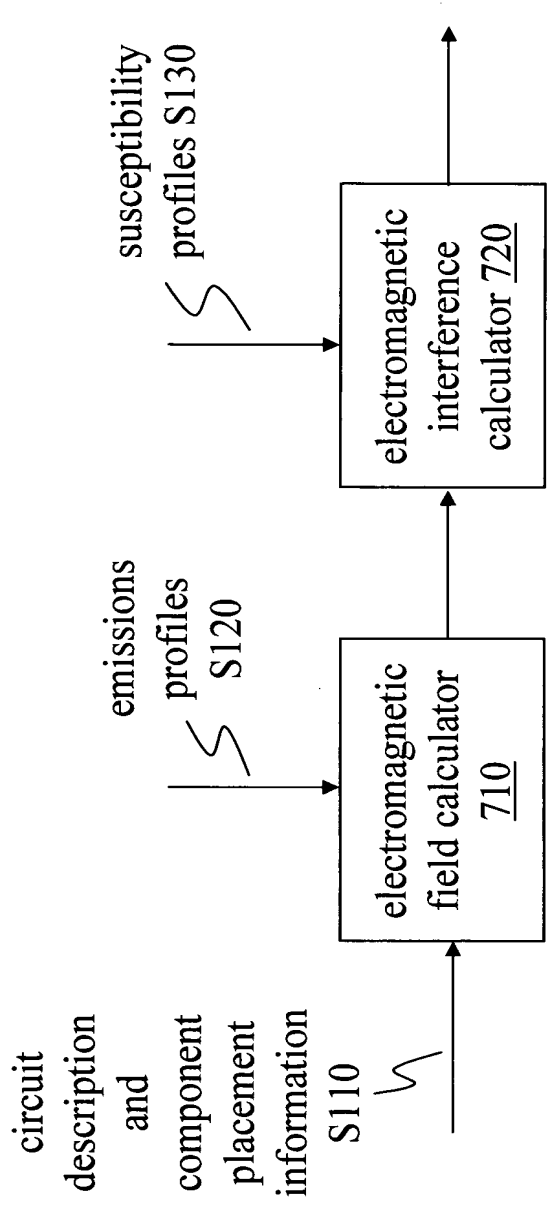


FIG. 78

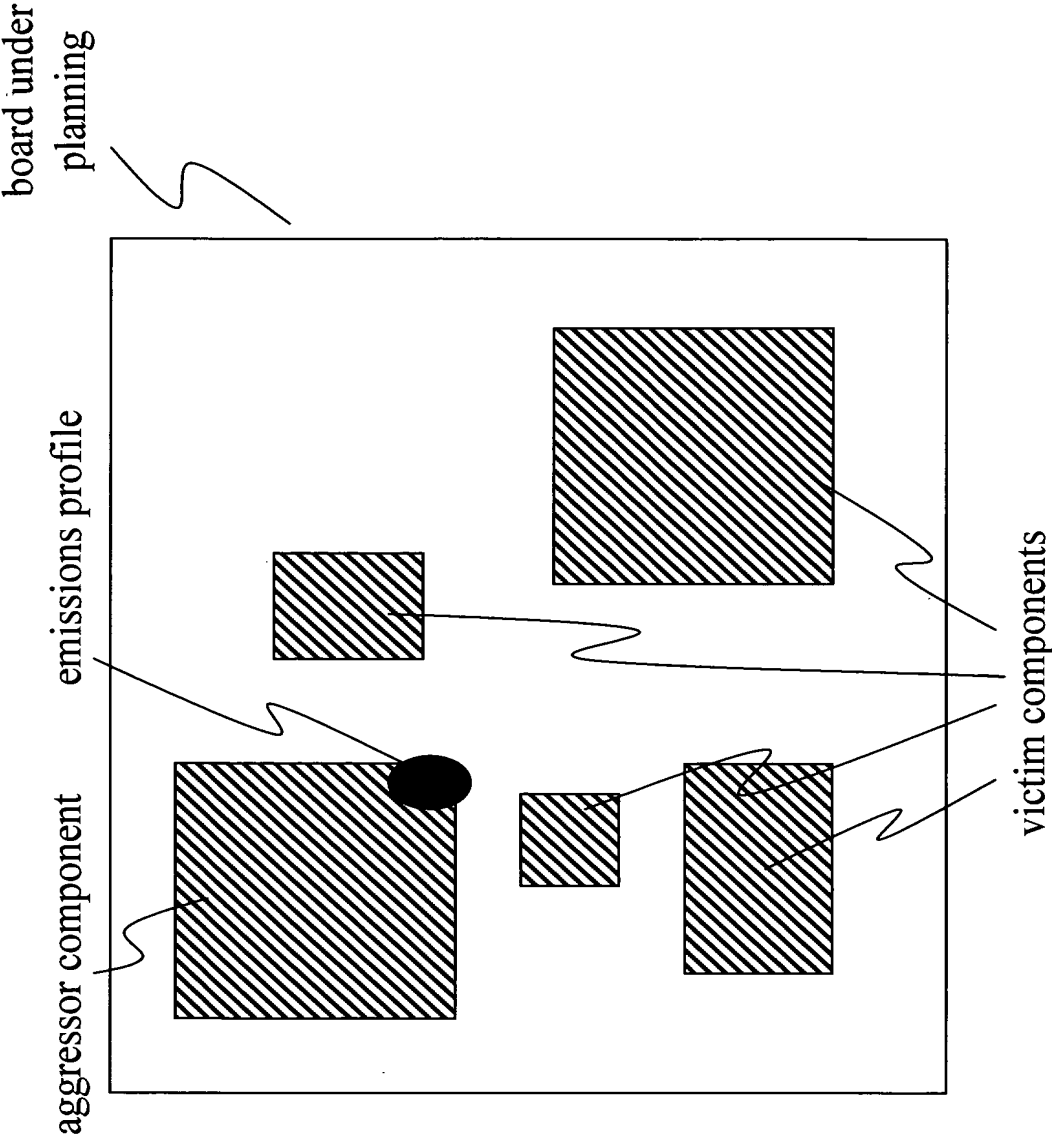


FIG. 79

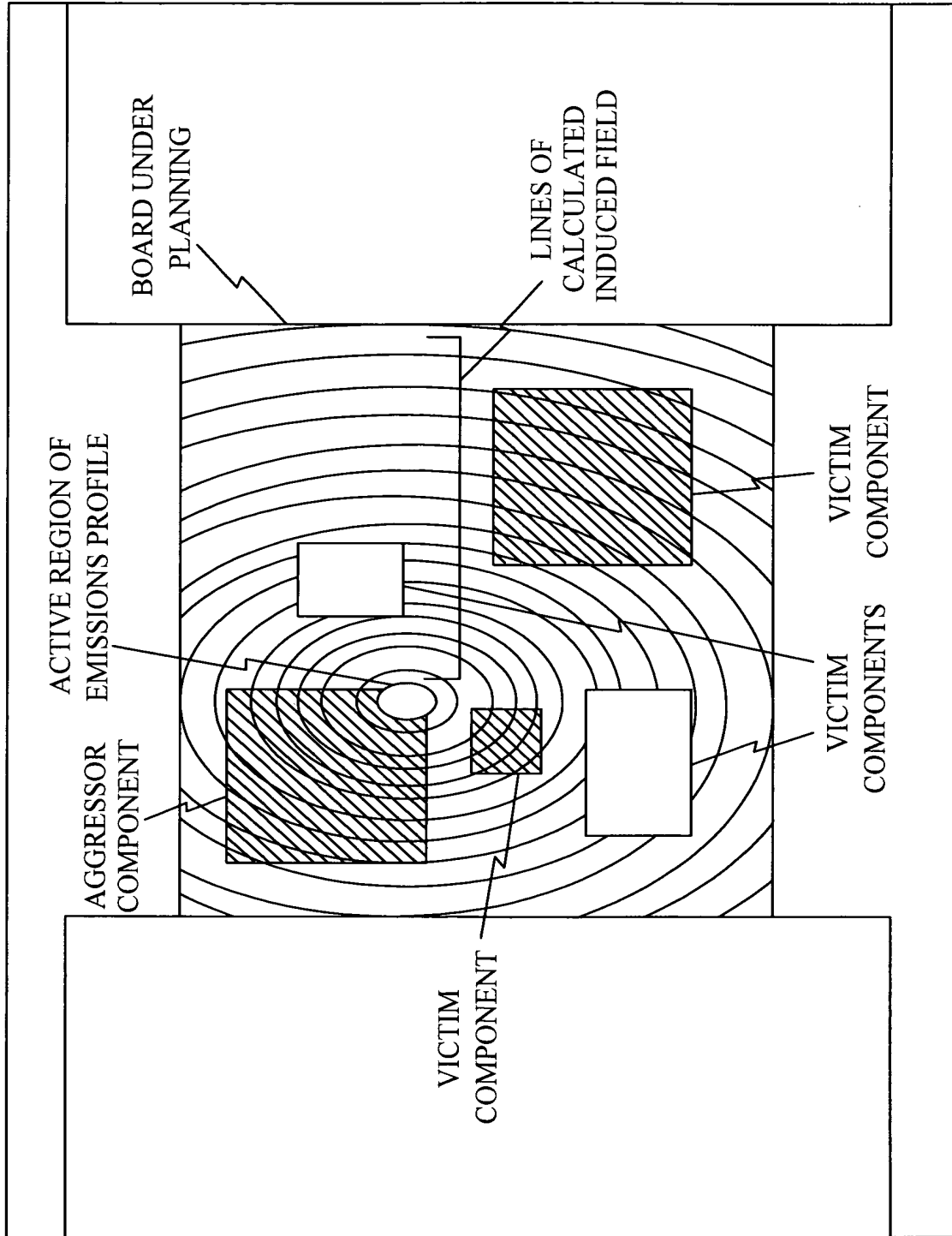


FIG. 80

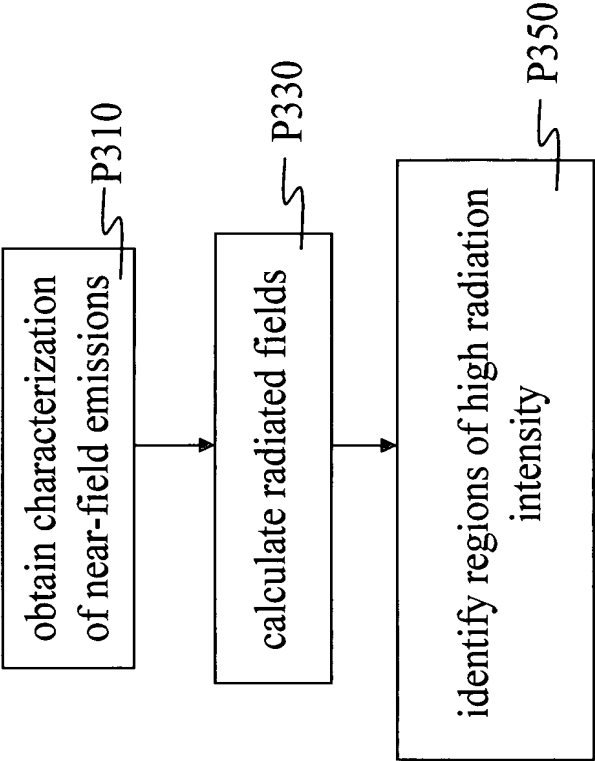


FIG. 81

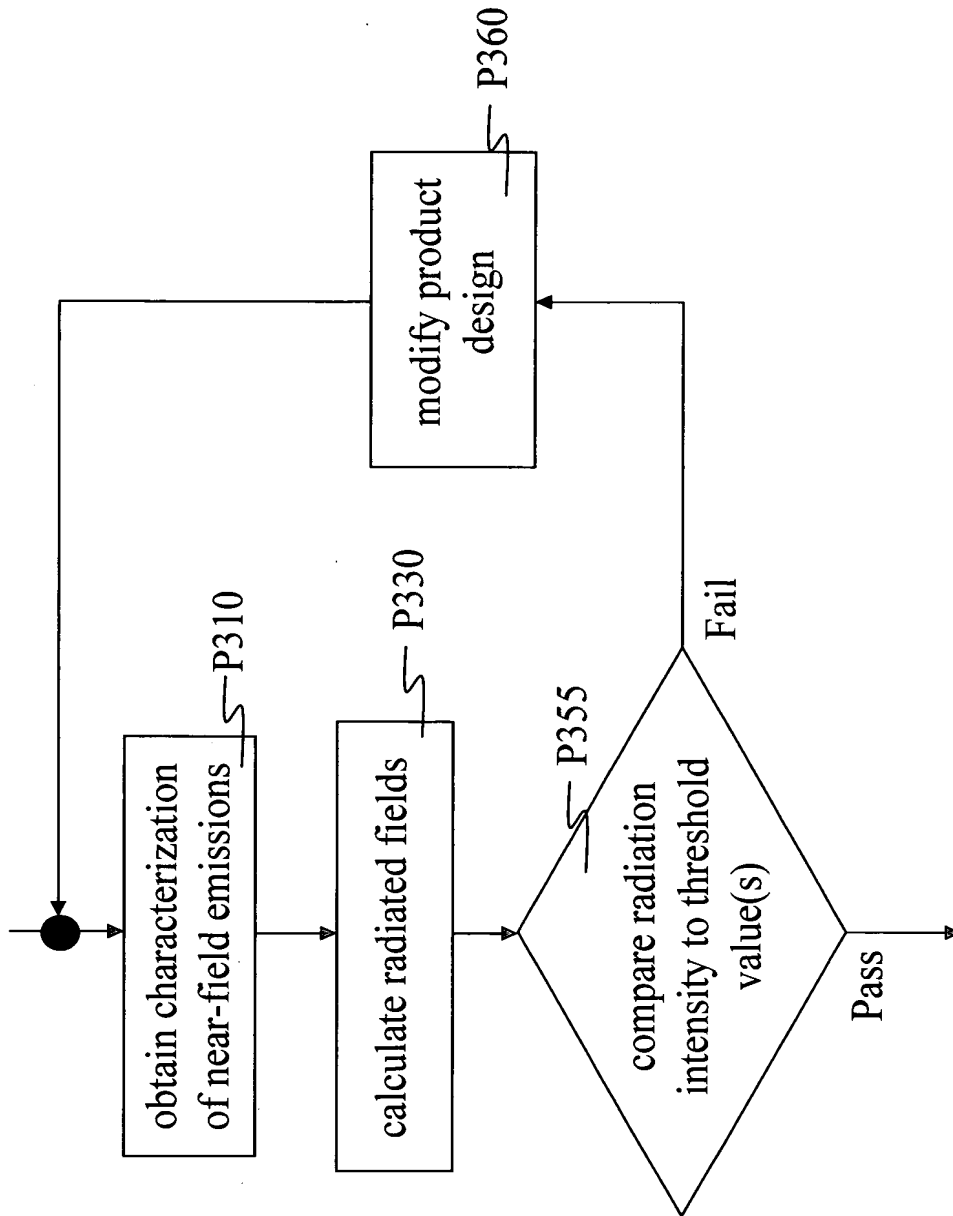


FIG. 82

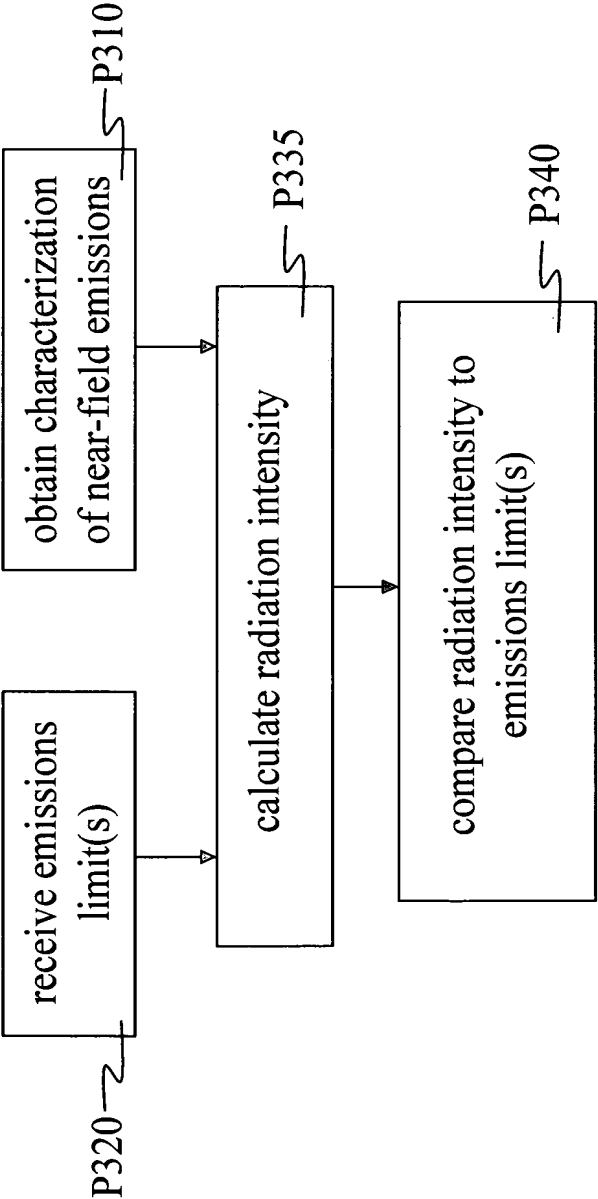


FIG. 83

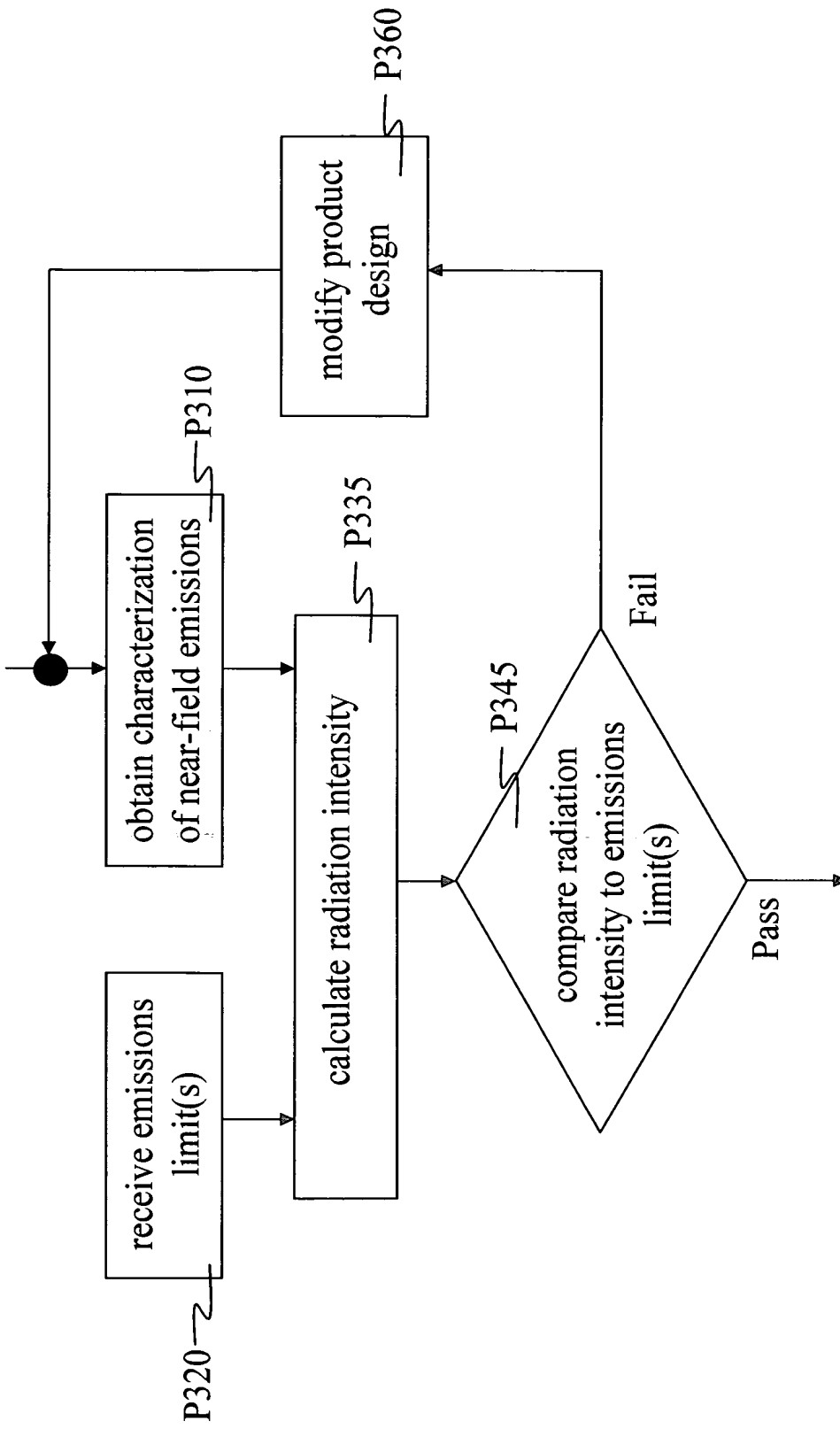


FIG. 84

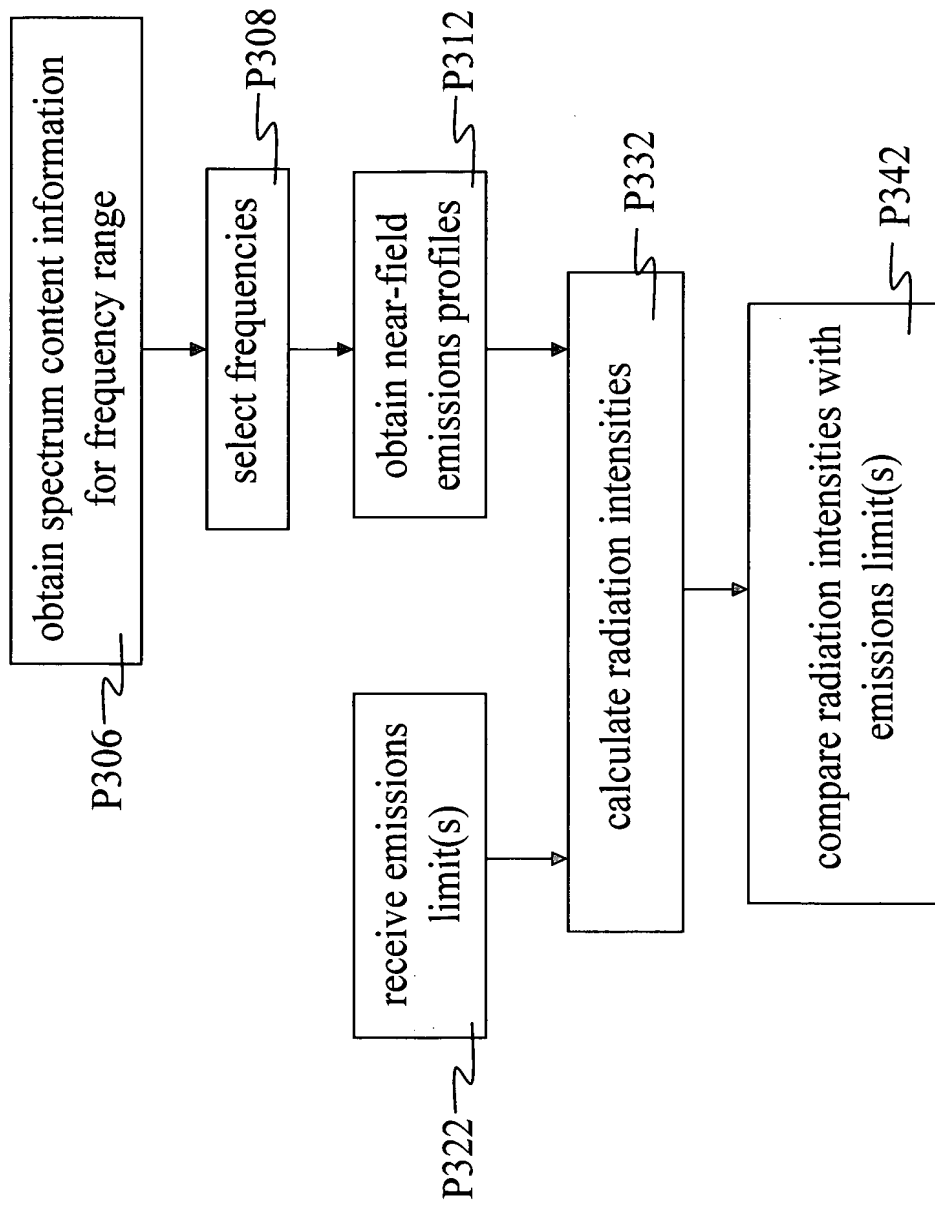


FIG. 85

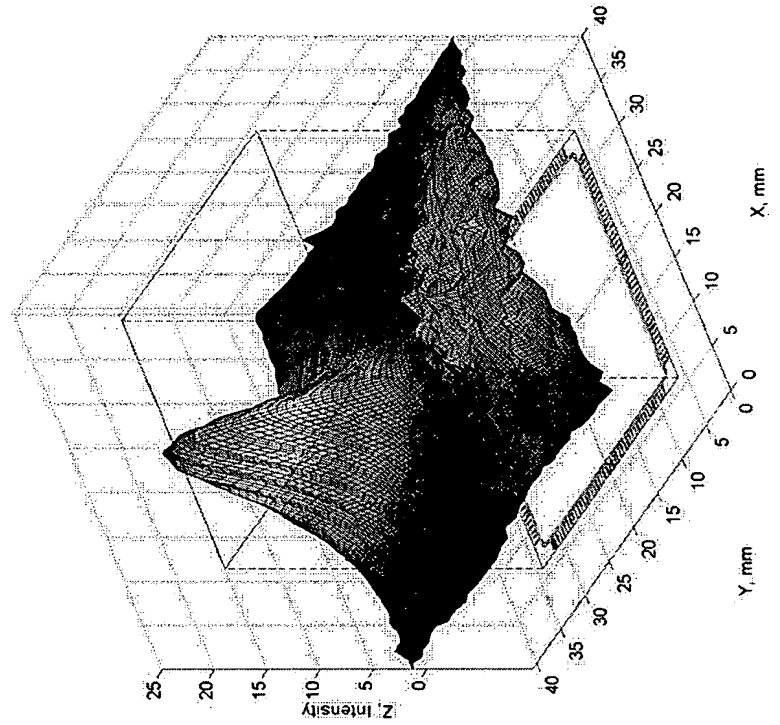
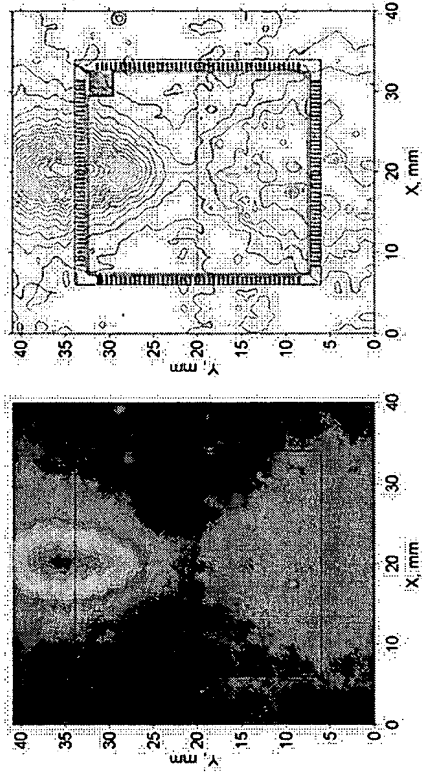
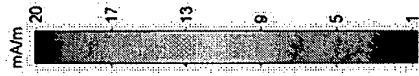


FIG. 86

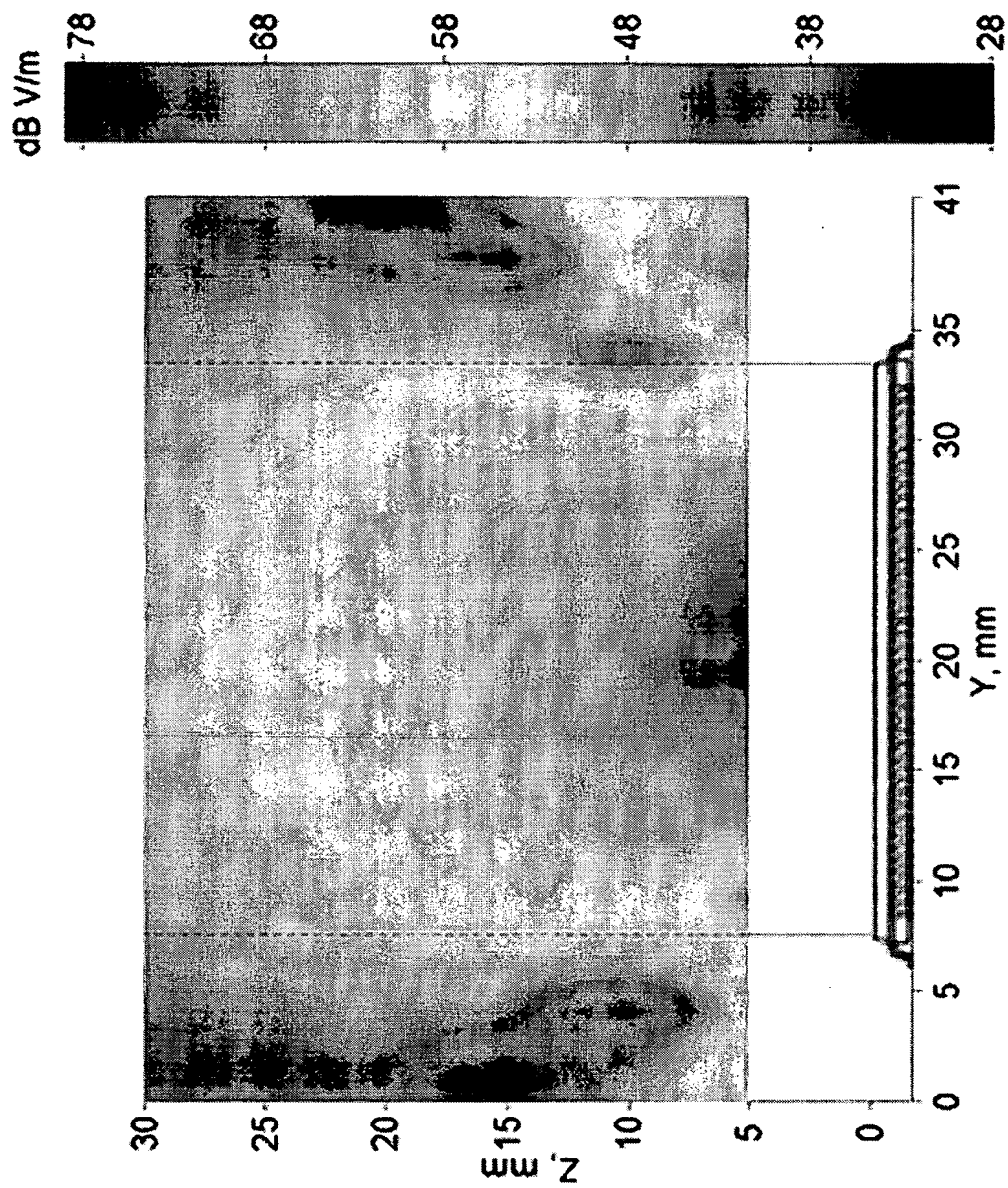


FIG. 87

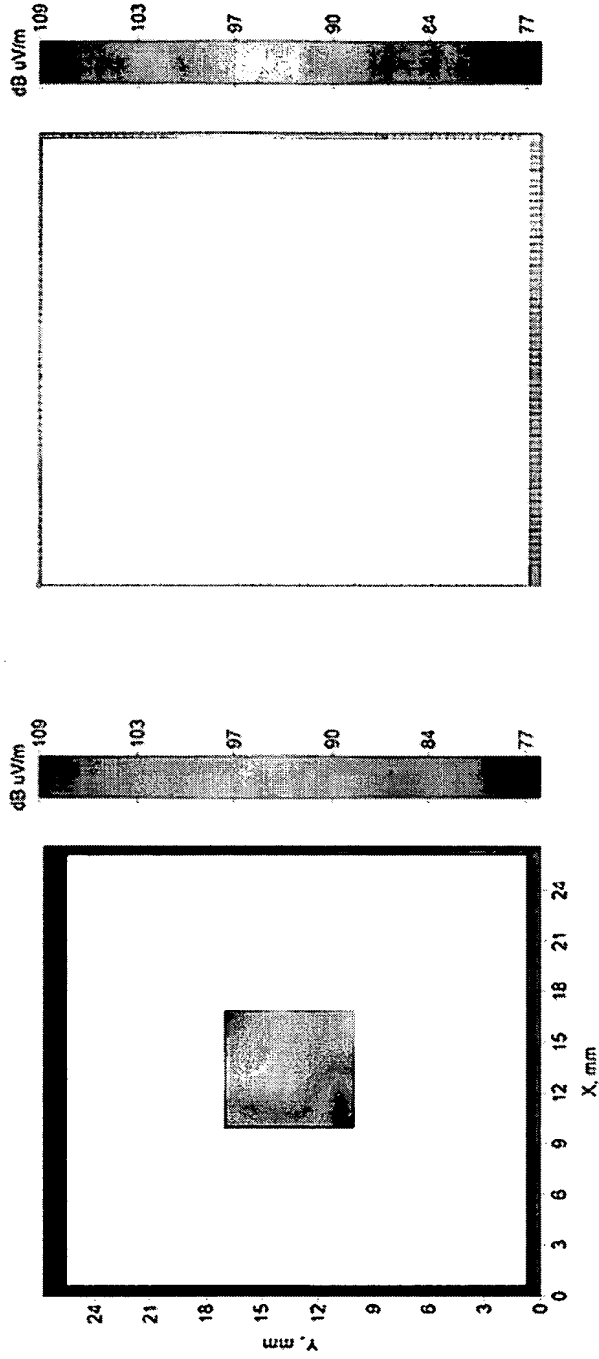


FIG. 88

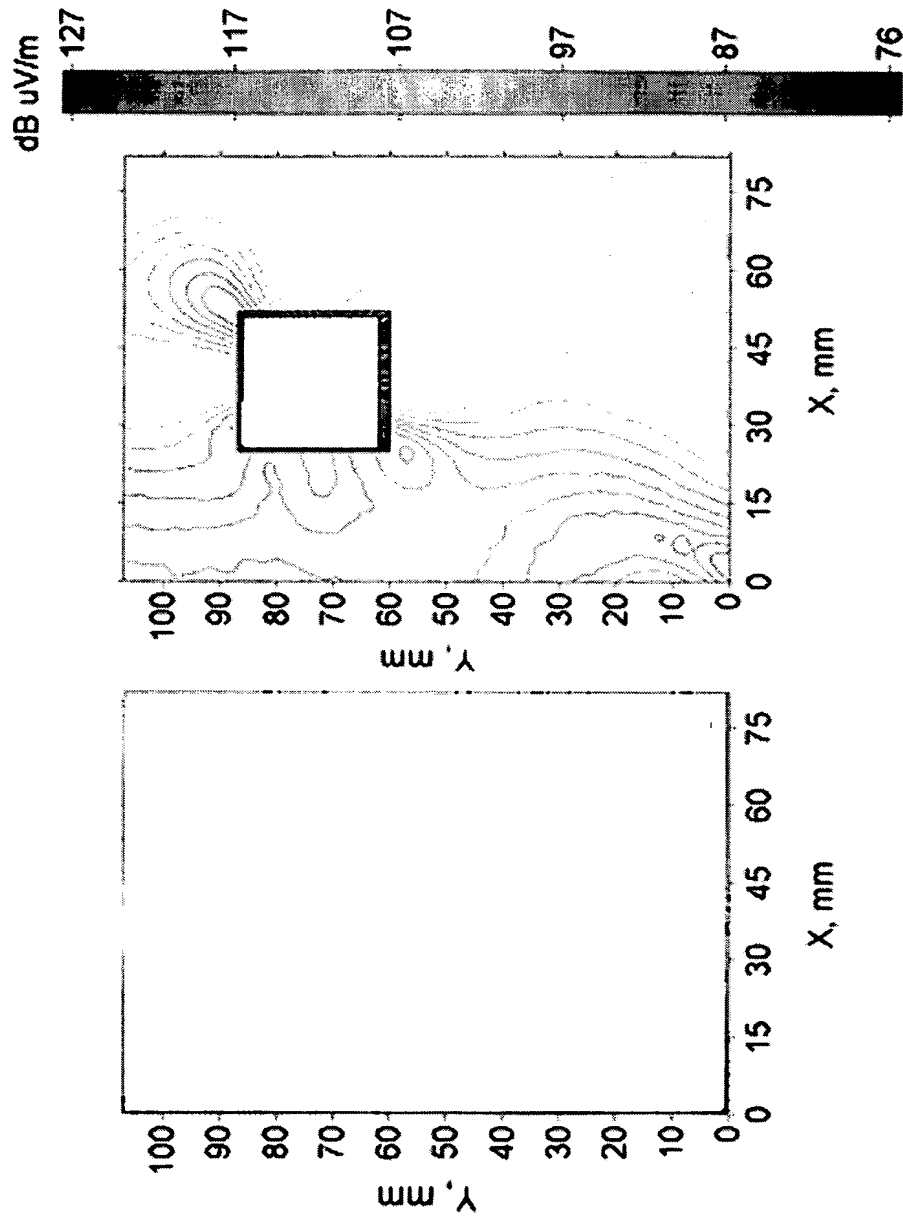


FIG. 89

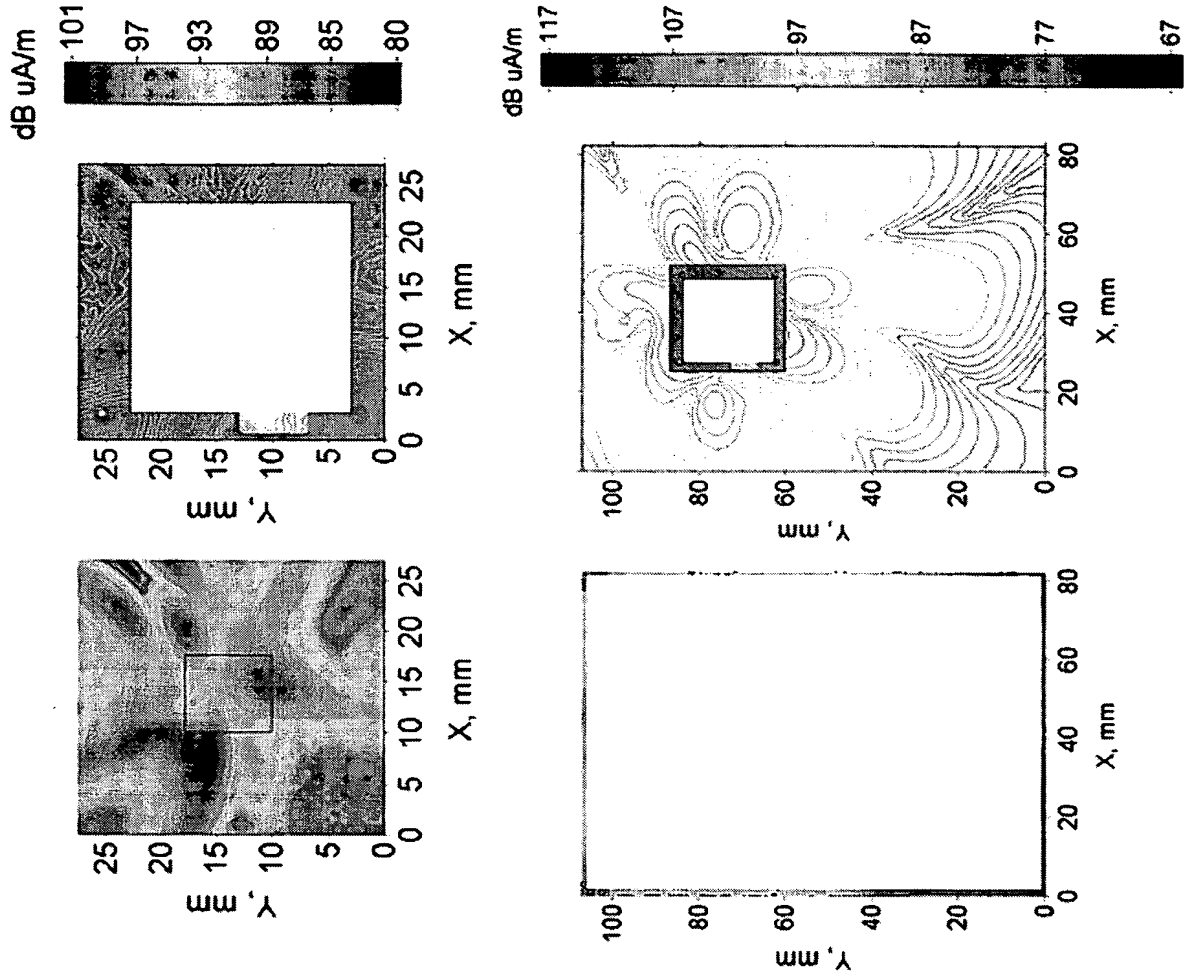
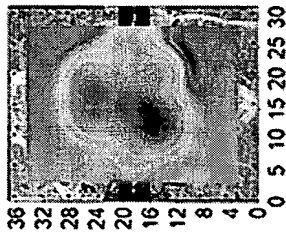
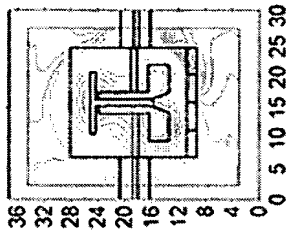
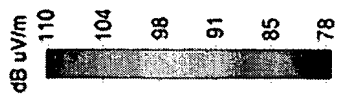
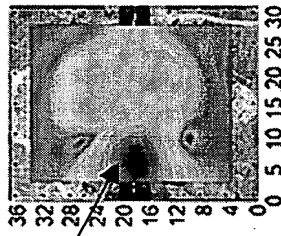
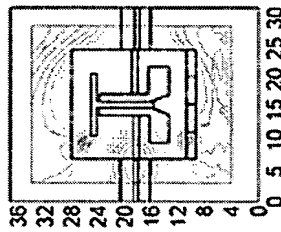
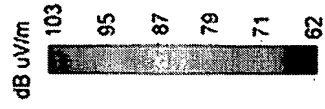


FIG. 90



A: Functional Filter,
1900MHz



Substrate Fracture
Area

B: Defective Filter,
1900MHz

FIG. 91

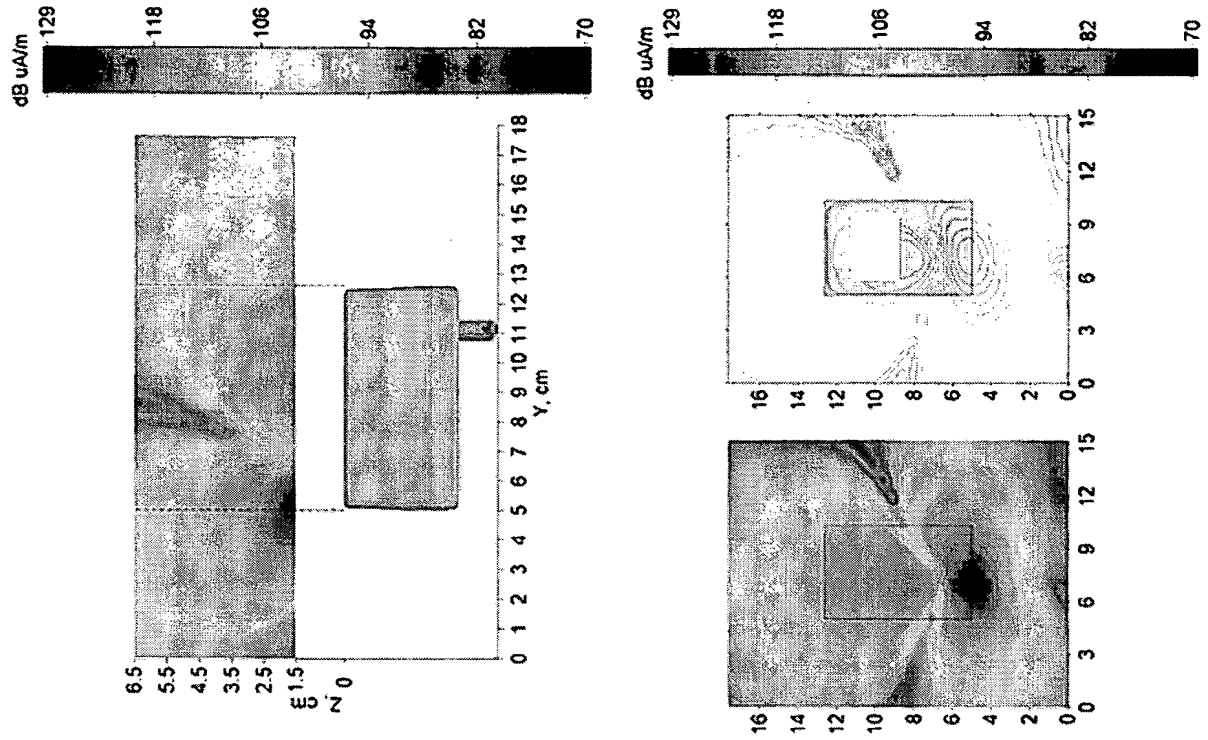


FIG. 92

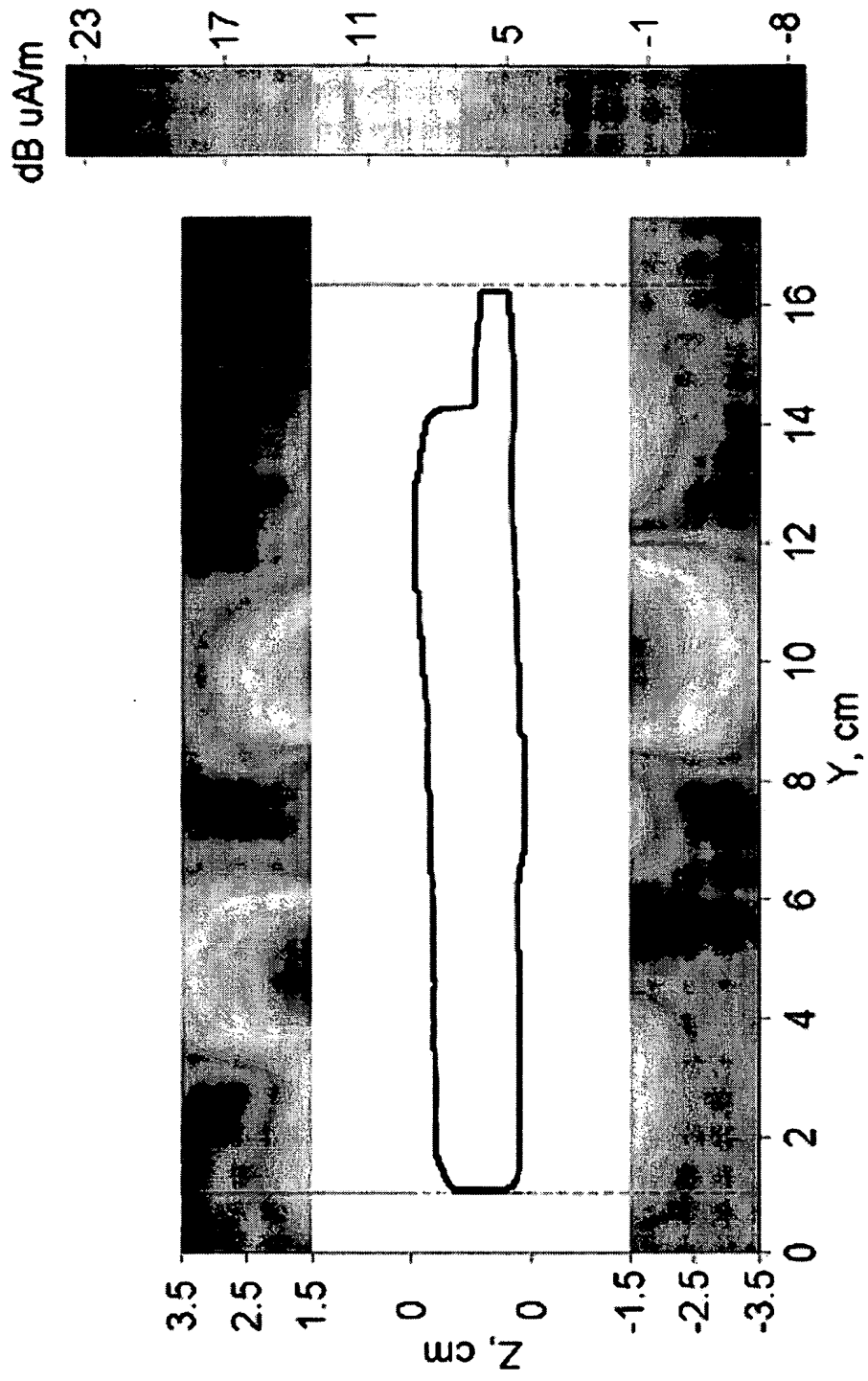


FIG. 93

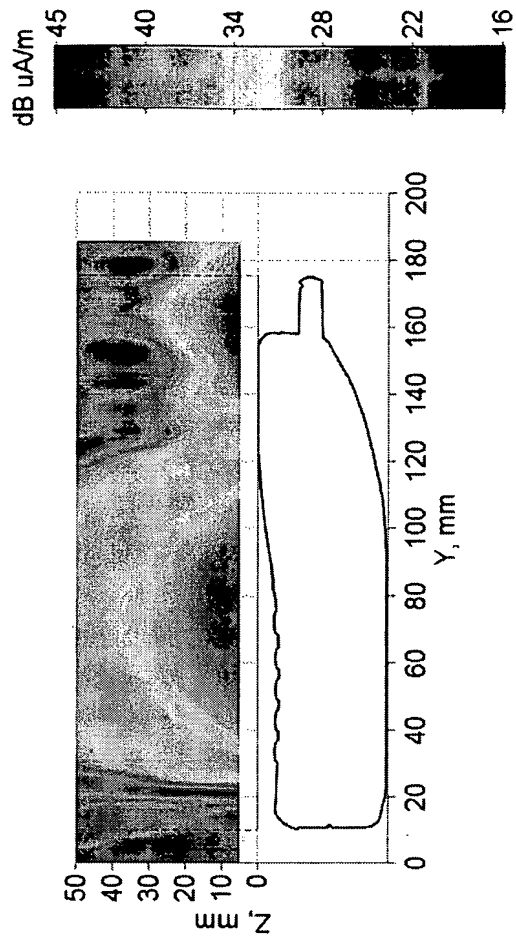
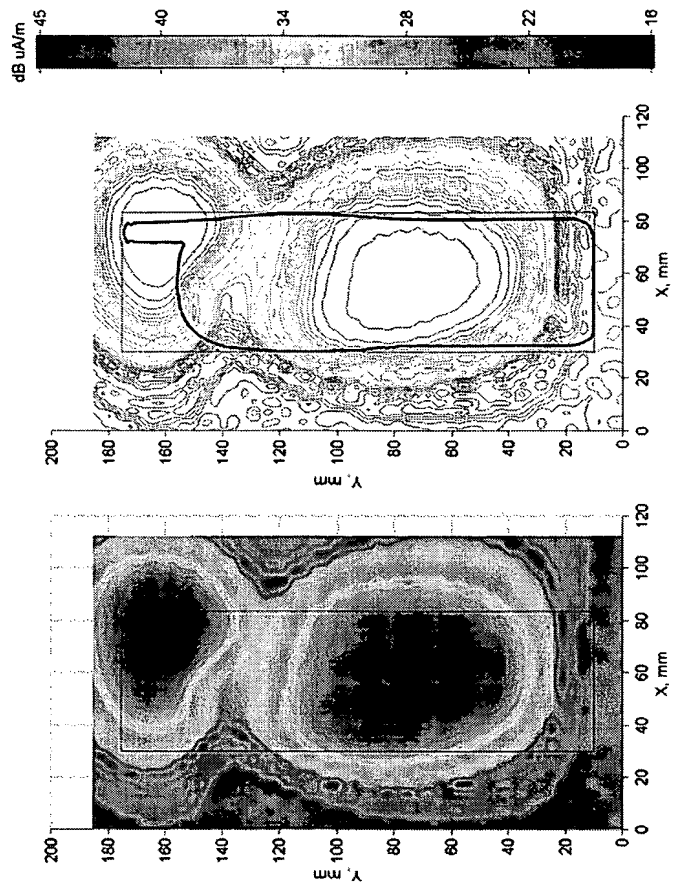


FIG. 94



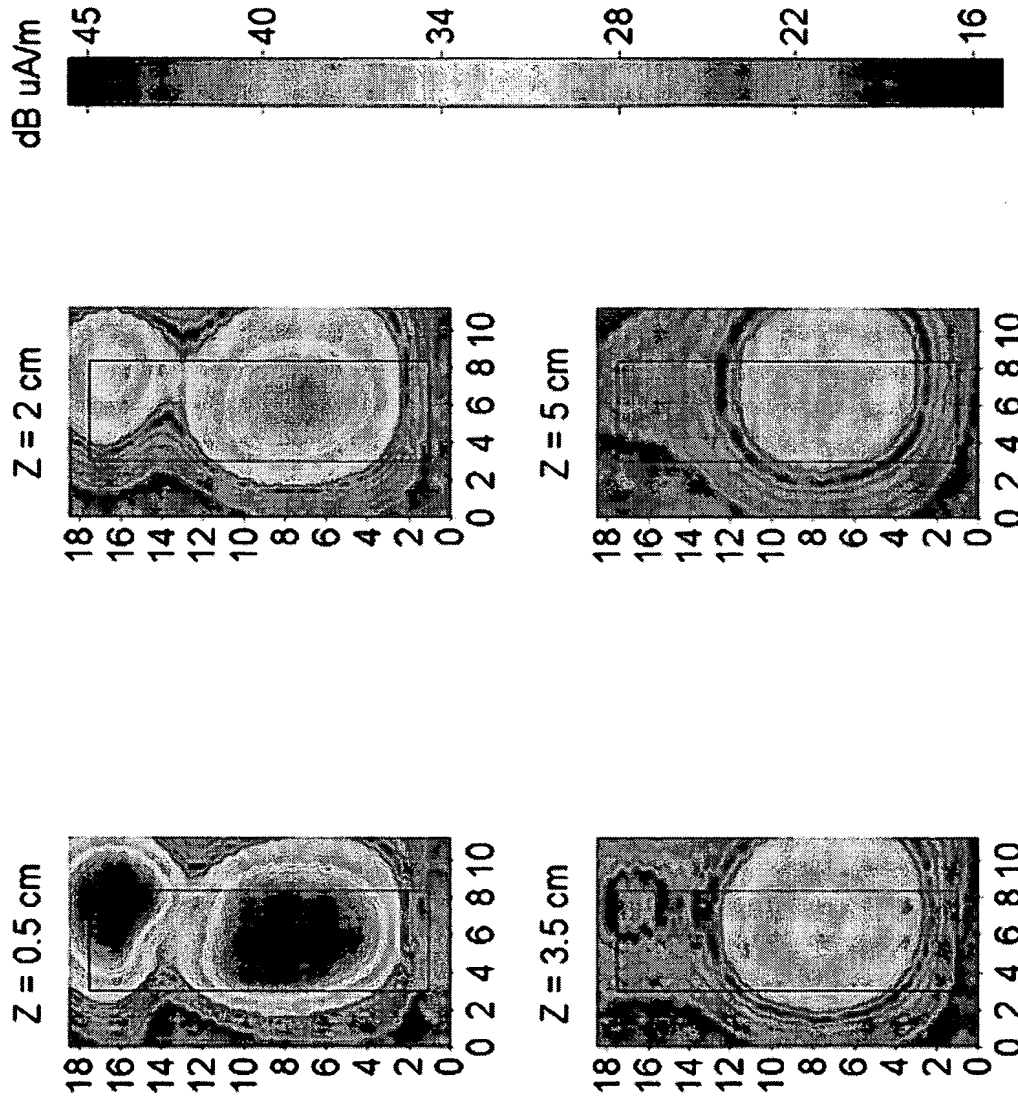


FIG. 95

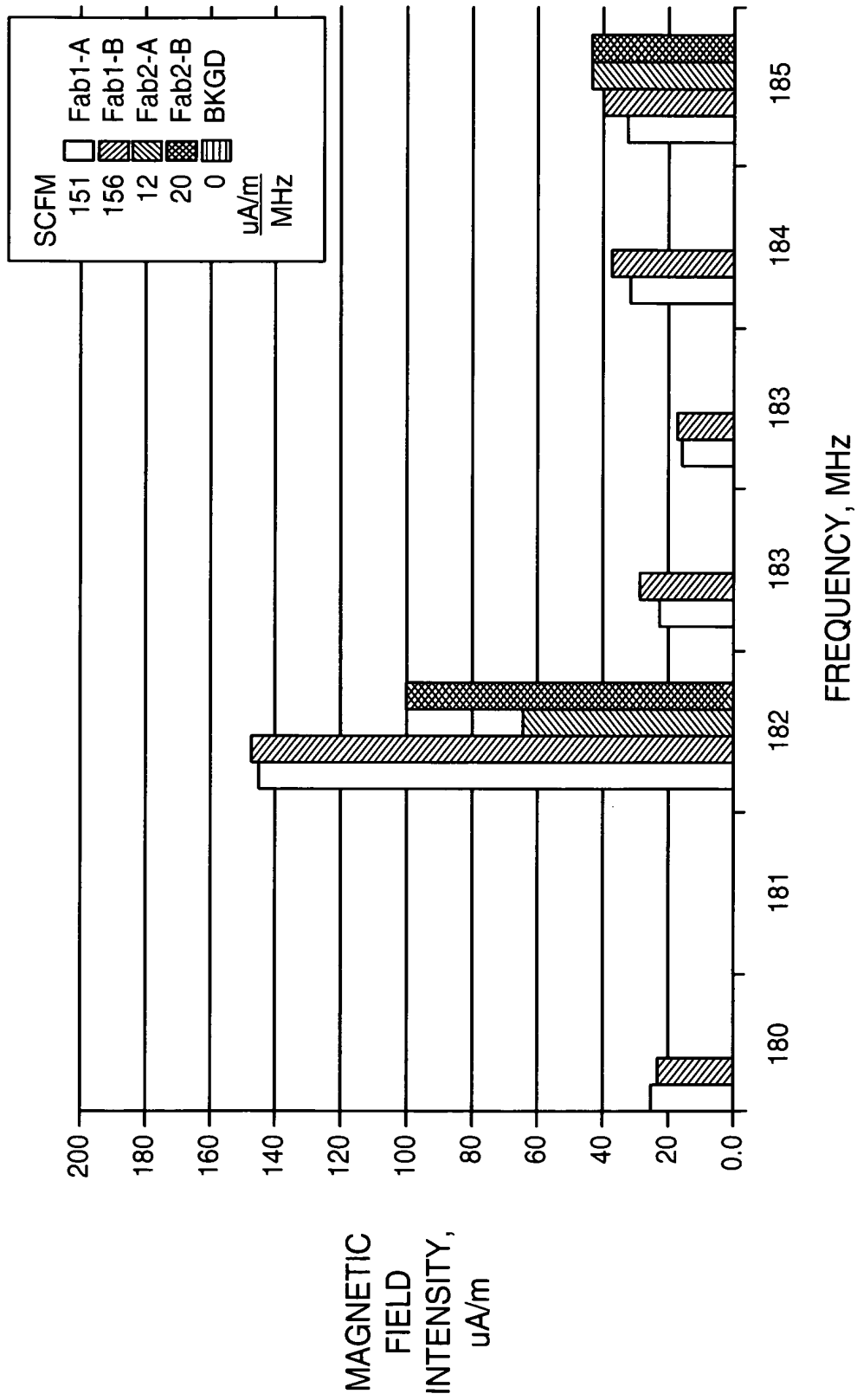


FIG. 96

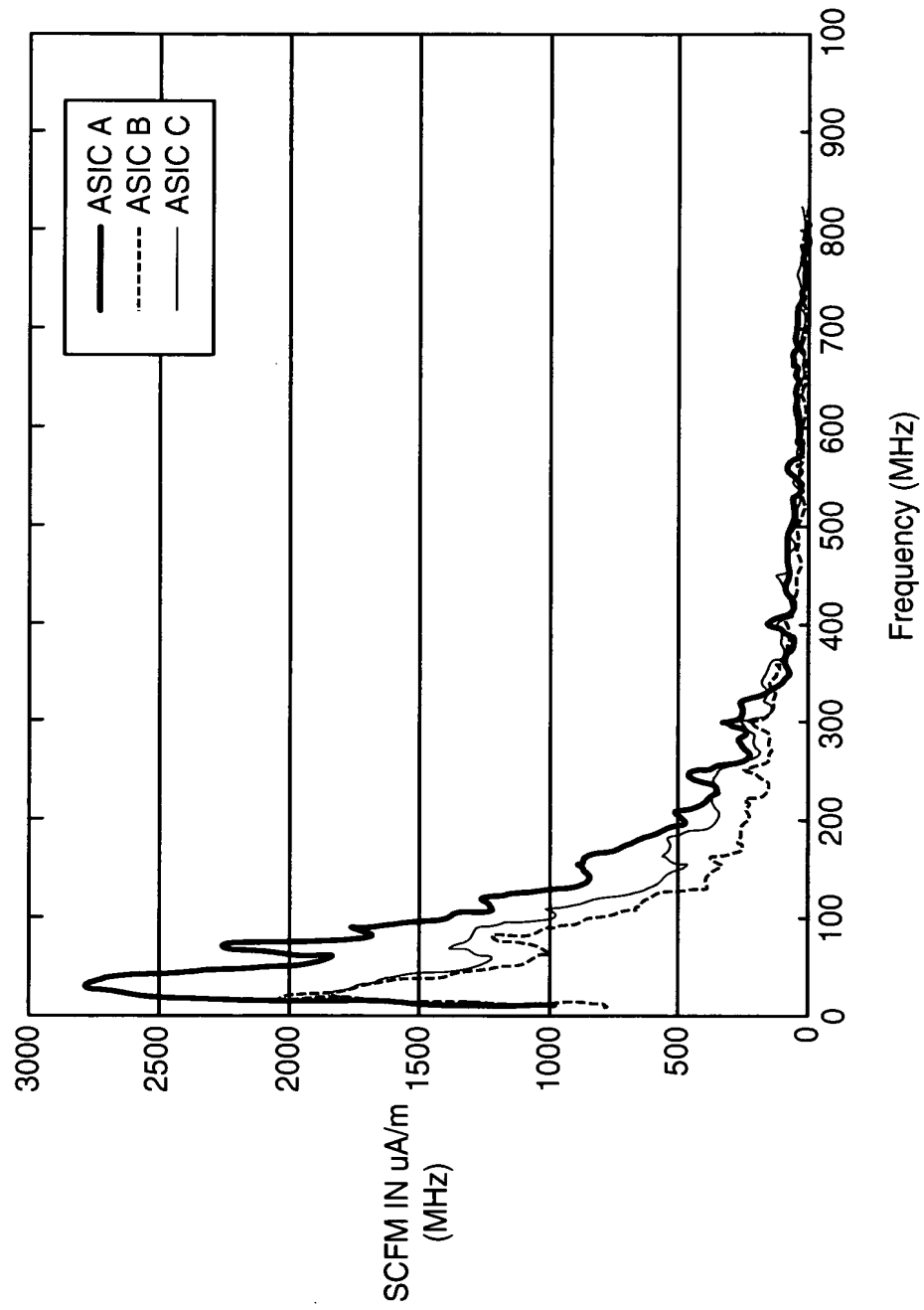
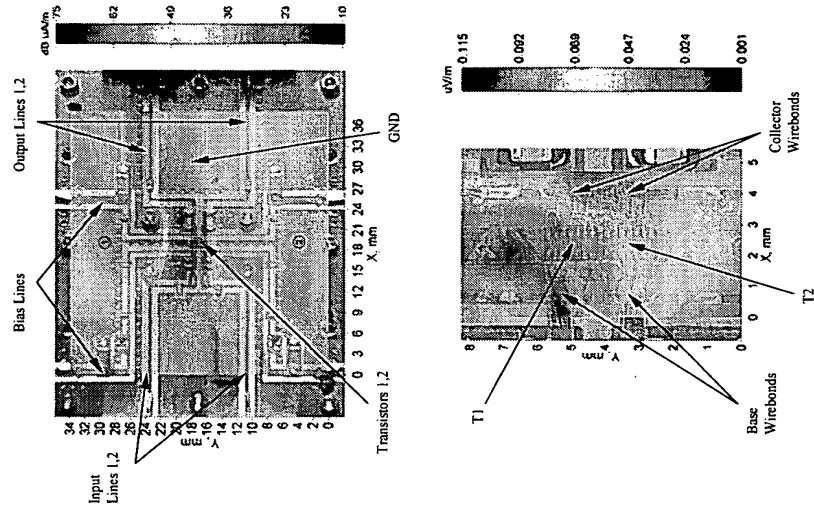


FIG. 97

FIG. 98



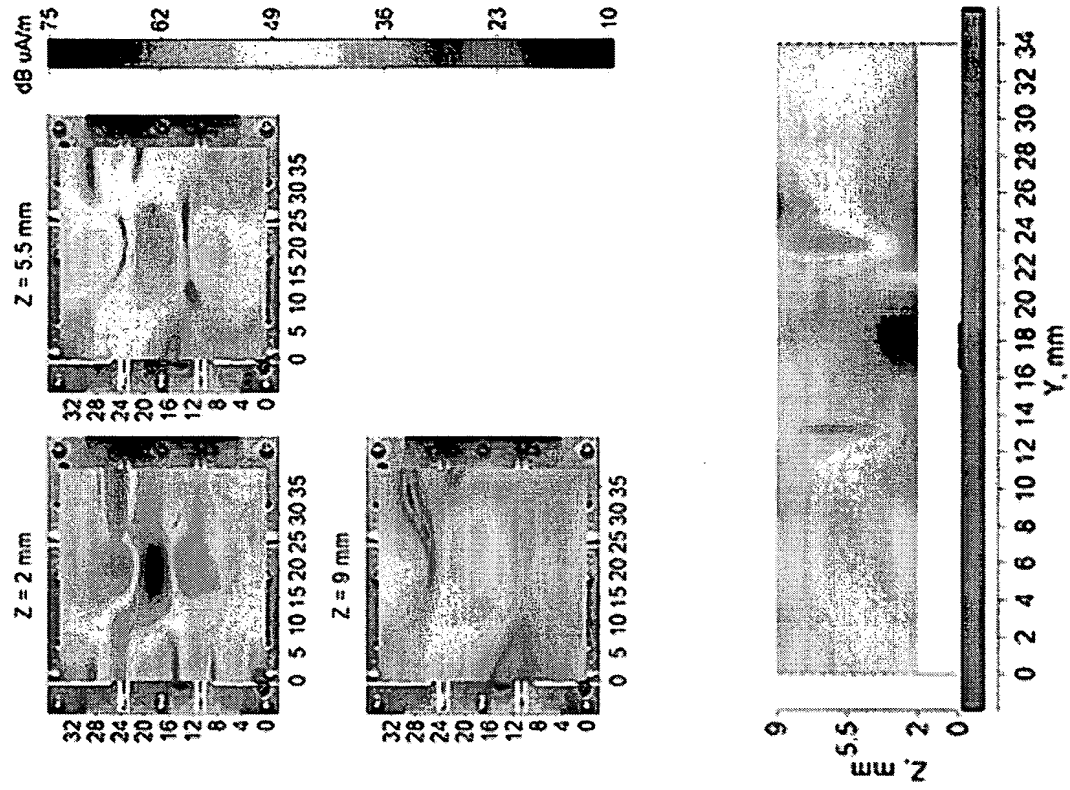


FIG. 99

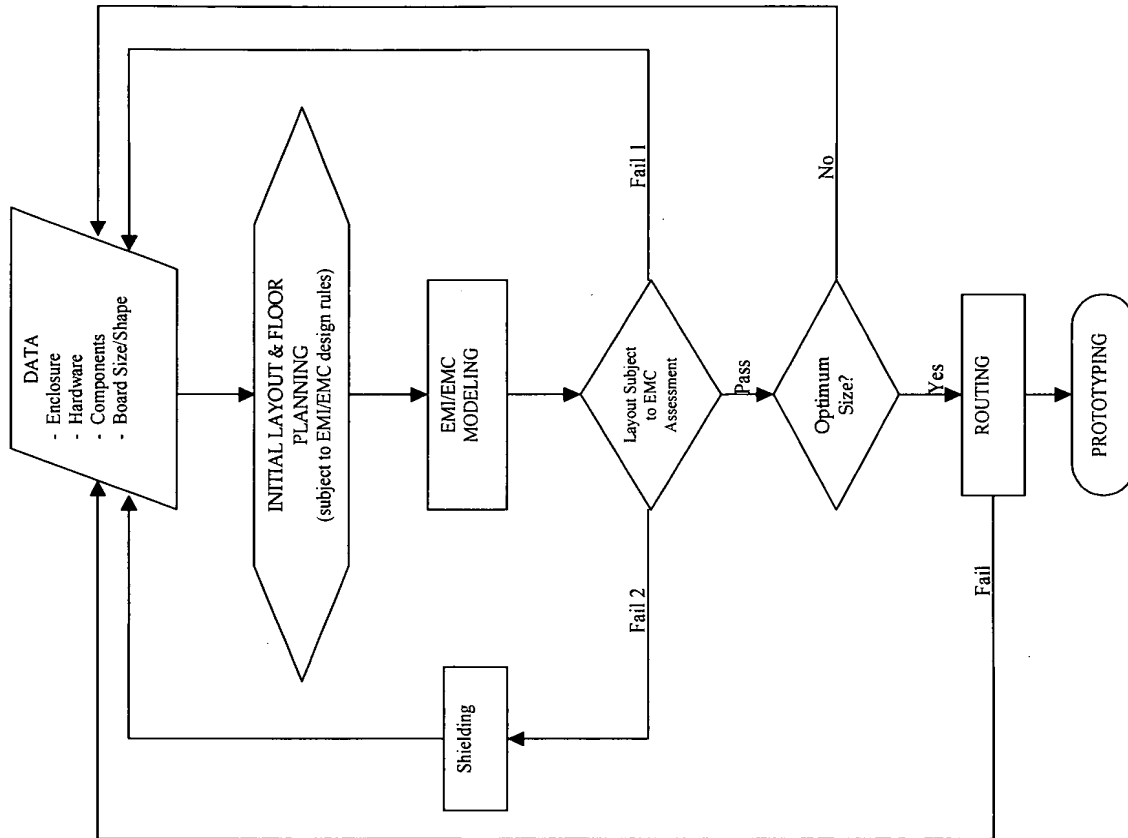


FIG. 100